## SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or Bel-Ray Super Clean Chain Lube

designation of the mixture

99470 Product code **SDS** number 6436 **Registration number Synonyms** None.

16-June-2010 Issue date

Version number 4.0

**Revision date** 02-June-2016 Supersedes date 08-February-2016

1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Lubricant Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Bel-Ray Company, LLC

P.O. Box 526

Farmingdale, NJ 07727 United States of America

+1 732 938 2421

CHEMTREC: 800-424-9300 (USA)

CHEMTREC: +1 703-527-3887 (outside USA - call collect)

Bel-Ray Company, LLC Calumet Sales Company, Inc.

Pa Monument Chemical BVBA Haven 1972, Ketenislaan 3 B-9130 Kallo (Keildrecht)

Belgium

+32 3 570 25 20 Europe Emergency: 112 customerservice@belray.com www.belray.com/msds\_search

### **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification

#### Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Aerosols Category 1 H222 - Extremely flammable

aerosol.

H229 - Pressurized container: May

burst if heated.

**Health hazards** 

H302 - Harmful if swallowed. Acute toxicity, oral Category 4 Skin corrosion/irritation Category 2 H315 - Causes skin irritation. Serious eye damage/eye irritation Category 2 H319 - Causes serious eye

irritation.

Reproductive toxicity (fertility) Category 2

Specific target organ toxicity - single exposureCategory 3 narcotic effects H336 - May cause drowsiness or

dizziness.

Specific target organ toxicity - repeated

exposure

Category 2

H373 - May cause damage to organs through prolonged or

repeated exposure.

**Environmental hazards** 

Hazardous to the aquatic environment,

long-term aquatic hazard

Category 3

H412 - Harmful to aquatic life with

long lasting effects.

#### Hazard summary WARNING

FLAMMABLE LIQUID AND VAPOR. CONTENTS UNDER PRESSURE.

Aerosol Pressurised container may explode when exposed to heat or flame. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause drowsiness and dizziness. Possible reproductive hazard. May cause damage to organs through prolonged or repeated exposure. Dangerous for the environment if discharged into watercourses. This is a consumer care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and / or swelling upon prolonged or repeated skin contact or eye contact.

#### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** 2-methylpentane, 3-Methylpentane, n-Hexane, Solvent Naphtha, Petroleum, Medium Aliphatic

Hazard pictograms



Signal word	Danger
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#### **Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurized container: May burst if heated.

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

### **Precautionary statements**

#### **Prevention**

P102 Keep out of reach of children.

P103 Read label before use.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.
P260 Do not breathe mist or vapour.
P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

## Response

P101 If medical advice is needed, have product container or label at hand. P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a POISON CENTER/doctor if you feel unwell.

P321 Specific treatment (see this label).

P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Material name: Bel-Ray Super Clean Chain Lube

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label

information

None.

2.3. Other hazards None known.

## **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

#### **General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
n-Hexane	20 - < 30	110-54-3 269-792-5	01-2119474209-33-0000	601-037-00-0	#
Classification:	Flam. Liq. 2;H225, Acu 3;H336, STOT RE 2;H3		o. Tox. 1;H304, Skin Irrit. 2;H3: 2;H411	15, STOT SE	
3-Methylpentane	5 - < 10	96-14-0 202-481-4	-	601-007-00-7	
Classification:	Flam. Liq. 2;H225, Asp Chronic 2;H411	. Tox. 1;H304, Skin	Irrit. 2;H315, STOT SE 3;H336	, Aquatic	С
Solvent Naphtha, Petrol Aliphatic	eum, Medium 5 - < 10	64742-88-7 265-191-7	-	649-405-00-X	
Classification:	-				
Zinc oxide	3 - < 5	1314-13-2 215-222-5	-	030-013-00-7	
Classification:	Aquatic Acute 1;H400,	Aquatic Chronic 1;F	1410		
2-methylpentane	1 - < 3	107-83-5 203-523-4	-	601-007-00-7	
Classification:	Flam. Liq. 2;H225, Asp Chronic 2;H411	. Tox. 1;H304, Skin	Irrit. 2;H315, STOT SE 3;H336	, Aquatic	С

Other components below reportable levels 50 - < 60

## List of abbreviations and symbols that may be used above

CLP: Regulation No. 1272/2008. DSD: Directive 67/548/EEC.

M: M-factor

vPvB: very persistent and very bioaccumulative substance. PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Community workplace exposure limit(s).

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

#### **SECTION 4: First aid measures**

General information IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice

(show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in

attendance.

## 4.1. Description of first aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON

CENTRE or doctor/physician if you feel unwell.

**Skin contact** Remove contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical

advice/attention. Wash contaminated clothing before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Material name: Bel-Ray Super Clean Chain Lube

#### Ingestion

Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell. Never give liquid to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Irritation of nose and throat. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

4.3. Indication of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

## **SECTION 5: Firefighting measures**

General fire hazards Extremely flammable aerosol.

5.1. Extinguishing media

Suitable extinguishing

media

mixture

Unsuitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or

Contents under pressure. Pressurised container may explode when exposed to heat or flame.

During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special fire fighting procedures

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not

breathe fumes.

#### **SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

6.3. Methods and material for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Keep combustibles (wood, paper, oil etc) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13 of the SDS.

## **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurised container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe mist or vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in area provided with appropriate exhaust ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

# 7.2. Conditions for safe storage, including any incompatibilities

Level 1 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Refrigeration recommended. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

#### 7.3. Specific end use(s)

Not available.

Austria, MAK List, OEL Ordinance (GwV), BGBI, II, no. 184/2001

## **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Occupational exposure limits

Components	Туре	Value
2-methylpentane (CAS 107-83-5)	MAK	715 mg/m3
		200 ppm
	STEL	2860 mg/m3
		800 ppm
3-Methylpentane (CAS 96-14-0)	MAK	715 mg/m3
		200 ppm
	STEL	2860 mg/m3
		800 ppm
Butane (CAS 106-97-8)	Ceiling	3800 mg/m3
		1600 ppm
	MAK	1900 mg/m3
		800 ppm
Isobutane (CAS 75-28-5)	Ceiling	3800 mg/m3
	_	1600 ppm
	MAK	1900 mg/m3
		800 ppm
n-Hexane (CAS 110-54-3)	MAK	72 mg/m3
		20 ppm
	STEL	288 mg/m3
		80 ppm
Propane (CAS 74-98-6)	Ceiling	3600 mg/m3
	_	2000 ppm
	MAK	1800 mg/m3
		1000 ppm
Belgium. Exposure Limit Values		
Components	Туре	Value
Butane (CAS 106-97-8)	TWA	1000 ppm
Isobutane (CAS 75-28-5)	TWA	1000 ppm
Propane (CAS 74-98-6)	TWA	1000 ppm
Belgium. Exposure Limit Values.		
Components	Туре	Value Form
2-methylpentane (CAS 107-83-5)	STEL	3551 mg/m3
•		1000 ppm

Material name: Bel-Ray Super Clean Chain Lube

Belgium. Exposure Limit Values. Components	Туре	Value	Form
	TWA	1786 mg/m3	
		500 ppm	
3-Methylpentane (CAS 96-14-0)	STEL	3551 mg/m3	
,		1000 ppm	
	TWA	1786 mg/m3	
		500 ppm	
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	
Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	STEL	10 mg/m3	Mist.
,	TWA	5 mg/m3	Mist.
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
,		20 ppm	
Petrolatum (CAS 8009-03-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Solvent Naphtha, Petroleum, Medium Aliphatic	TWA	200 mg/m3	Vapor.

Petroleum, Medium Aliphatic (CAS 64742-88-7)

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Туре	Value	Form
Butane (CAS 106-97-8)	TWA	1800 mg/m3	
Calcium carbonate (CAS 471-34-1)	TWA	1 fibers/cm3	Respirable fraction.
		10 mg/m3	
		10 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	TWA	5 mg/m3	
Limestone (CAS 1317-65-3)	TWA	1 fibers/cm3 10 mg/m3	Respirable fraction.
		10 mg/m3	Inhalable fraction.
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm	
Petrolatum (CAS 8009-03-8)	TWA	5 mg/m3	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA	5 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7)	TWA	300 mg/m3	

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Туре	Value	Form
Butane (CAS 106-97-8)	MAC	1450 mg/m3	
		10 ppm	
	STEL	1810 mg/m3	
		750 ppm	
Calcium carbonate (CAS 471-34-1)	MAC	4 mg/m3	Respirable dust.
•		10 mg/m3	Total dust.
Limestone (CAS 1317-65-3)	MAC	4 mg/m3	Respirable dust.
,		10 mg/m3	Total dust.
n-Hexane (CAS 110-54-3)	MAC	72 mg/m3	
,		20 ppm	

Material name: Bel-Ray Super Clean Chain Lube

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Value

Type

	. , po		
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	
Czech Republic. OELs. Governme	nt Decree 361		
Components	Туре	Value	Form
2-methylpentane (CAS 107-83-5)	Ceiling	2000 mg/m3	
	TWA	1000 mg/m3	
3-Methylpentane (CAS 96-14-0)	Ceiling	2000 mg/m3	
	TWA	1000 mg/m3	
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	Dust.
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	Dust.
n-Hexane (CAS 110-54-3)	Ceiling	200 mg/m3	
-	TWA	70 mg/m3	
Petrolatum (CAS 8009-03-8)	Ceiling	10 mg/m3	Aerosol
	TWA	5 mg/m3	Aerosol
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	Ceiling	10 mg/m3	Aerosol
· ·· · · · · · · · · · · · · · · · · ·	TWA	5 mg/m3	Aerosol
Denmark. Exposure Limit Values			
Components	Туре	Value	Form
2-methylpentane (CAS 107-83-5)	TLV	700 mg/m3	
,		200 ppm	
3-Methylpentane (CAS 96-14-0)	TLV	700 mg/m3	
		200 ppm	
Butane (CAS 106-97-8)	TLV	1200 mg/m3	
		500 ppm	
Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	TLV	1 mg/m3	Mist.
n-Hexane (CAS 110-54-3)	TLV	72 mg/m3	
2 200 (2002 220 00)		20 ppm	
Petrolatum (CAS 8009-03-8)	TLV	1 mg/m3	Mist.
Propane (CAS 74-98-6)	TLV	1800 mg/m3 1000 ppm	
Residual Oils (petroleum), Solvent-refined (CAS	TLV	1 mg/m3	Mist.

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Туре	Value	Form
2-methylpentane (CAS 107-83-5)	STEL	1100 mg/m3	
		300 ppm	
	TWA	700 mg/m3	
		200 ppm	
3-Methylpentane (CAS 96-14-0)	STEL	1100 mg/m3	
•		300 ppm	
	TWA	700 mg/m3	
		200 ppm	
Butane (CAS 106-97-8)	TWA	1500 mg/m3	
,		800 ppm	
Calcium carbonate (CAS 471-34-1)	TWA	5 mg/m3	Respirable dust.
•		10 mg/m3	
Isobutane (CAS 75-28-5)	TWA	1900 mg/m3	

Components

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Туре	Value	Form
Limestone (CAS 1317-65-3)	TWA	800 ppm 5 mg/m3 10 mg/m3	Respirable dust.
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3 20 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3 1000 ppm	
Finland. Workplace Exposure Lin	nits		
Components	Туре	Value	Form
2-methylpentane (CAS 107-83-5)	STEL	2300 mg/m3	
		630 ppm	
	TWA	1800 mg/m3	
3-Methylpentane (CAS 96-14-0)	STEL	500 ppm 2300 mg/m3	
,		630 ppm	
	TWA	1800 mg/m3	
D. to (CAC 106 07 0)	CTT	500 ppm	
Butane (CAS 106-97-8)	STEL	2400 mg/m3 1000 ppm	
	TWA	1900 ppiii 1900 mg/m3	
	1 VV/A	800 ppm	
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	Dust.
Isobutane (CAS 75-28-5)	STEL	2400 mg/m3	
		1000 ppm	
	TWA	1900 mg/m3	
(046 4347 (5 3)	77444	800 ppm	5 .
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	Dust.
n-Hexane (CAS 110-54-3)	STEL	2300 mg/m3 630 ppm	
	TWA	72 mg/m3	
		20 ppm	
Propane (CAS 74-98-6)	STEL	2000 mg/m3	
,		1100 ppm	
	TWA	1500 mg/m3	
		800 ppm	
Residual Oils (petroleum),	TWA	5 mg/m3	Mist.
Solvent-refined (CAS			
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values (	VLEP) for Occupational Exp		, INRS ED 984
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components		Value	, INRS ED 984 Form
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components 2-methylpentane (CAS	VLEP) for Occupational Exp Type VLE	Value 1500 mg/m3	, INRS ED 984
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components 2-methylpentane (CAS	VLEP) for Occupational Exp Type	Value 1500 mg/m3 1800 mg/m3	, INRS ED 984 Form Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components 2-methylpentane (CAS	VLEP) for Occupational Exp Type VLE	Value 1500 mg/m3 1800 mg/m3 1000 mg/m3	, INRS ED 984 Form
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components 2-methylpentane (CAS 107-83-5)	VLEP) for Occupational Exp Type VLE VME	Value 1500 mg/m3 1800 mg/m3 1000 mg/m3 500 ppm	, INRS ED 984 Form  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components 2-methylpentane (CAS 107-83-5) 3-Methylpentane (CAS	VLEP) for Occupational Exp Type VLE	Value 1500 mg/m3 1800 mg/m3 1000 mg/m3	, INRS ED 984 Form Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components 2-methylpentane (CAS 107-83-5) 3-Methylpentane (CAS	VLEP) for Occupational Exp Type VLE VME	Value 1500 mg/m3 1800 mg/m3 1000 mg/m3 500 ppm	, INRS ED 984 Form  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values ( Components 2-methylpentane (CAS 107-83-5) 3-Methylpentane (CAS	VLEP) for Occupational Exp Type VLE VME VLE	Value  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1500 mg/m3  1800 mg/m3  1000 mg/m3	, INRS ED 984 Form  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values (Components 2-methylpentane (CAS 107-83-5) 3-Methylpentane (CAS 96-14-0)	VLEP) for Occupational Exp Type VLE VME VLE VME	Value  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm	, INRS ED 984 Form  Vapor.  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values (Components 2-methylpentane (CAS 107-83-5) 3-Methylpentane (CAS 96-14-0)	VLEP) for Occupational Exp Type VLE VME VLE	Value  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1900 mg/m3	, INRS ED 984 Form  Vapor.  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values (Components  2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8)	VLEP) for Occupational Exp Type  VLE  VME  VME  VME  VME  VME	Value  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1900 mg/m3  800 ppm	, INRS ED 984 Form  Vapor.  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values (Components  2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8)  Calcium carbonate (CAS	VLEP) for Occupational Exp Type VLE VME VLE VME	Value  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1900 mg/m3	, INRS ED 984 Form  Vapor.  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4) France. Threshold Limit Values (Components  2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8)  Calcium carbonate (CAS 471-34-1)	VLEP) for Occupational Exp Type  VLE  VME  VLE  VME  VME  VME  VME  VME	1500 mg/m3 1800 mg/m3 1000 mg/m3 500 ppm 1500 mg/m3 1000 mg/m3 1000 mg/m3 500 ppm 1900 mg/m3 800 ppm 10 mg/m3	, INRS ED 984 Form  Vapor.  Vapor.  Vapor.
Solvent-refined (CAS 64742-01-4)  France. Threshold Limit Values (Components  2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8)  Calcium carbonate (CAS 471-34-1) Limestone (CAS 1317-65-3) n-Hexane (CAS 110-54-3)	VLEP) for Occupational Exp Type  VLE  VME  VME  VME  VME  VME	Value  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1500 mg/m3  1800 mg/m3  1000 mg/m3  500 ppm  1900 mg/m3  800 ppm	, INRS ED 984 Form  Vapor.  Vapor.  Vapor.

1000 mg/m3 Vapor. 20 ppm

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Compounds in the Work Area (DFG) Components	Туре	Value	
2-methylpentane (CAS 107-83-5)	TWA	1800 mg/m3	
,		500 ppm	
3-Methylpentane (CAS 96-14-0)	TWA	1800 mg/m3	
		500 ppm	
Butane (CAS 106-97-8)	TWA	2400 mg/m3	
Icabutana (CAC 7E 30 E)	T14/4	1000 ppm 2400 mg/m3	
Isobutane (CAS 75-28-5)	TWA	1000 ppm	
Methylcyclopentane (CAS 96-37-7)	TWA	1800 mg/m3	
,		500 ppm	
n-Hexane (CAS 110-54-3)	TWA	180 mg/m3	
		50 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	
Germany. TRGS 900, Limit Values in Components	the Ambient Air at the Workplace Type	Value	
2-methylpentane (CAS 107-83-5)	AGW	1800 mg/m3	
		500 ppm	
3-Methylpentane (CAS 96-14-0)	AGW	1800 mg/m3	
Dutana (CAC 106 07 0)	ACIAL	500 ppm	
Butane (CAS 106-97-8)	AGW	2400 mg/m3	
Isobutane (CAS 75-28-5)	AGW	1000 ppm 2400 mg/m3	
Isobutane (CAS 73-20-3)	AGW	1000 ppm	
Methylcyclopentane (CAS 96-37-7)	AGW	1800 mg/m3	
,		500 ppm	
n-Hexane (CAS 110-54-3)	AGW	180 mg/m3	
		50 ppm	
Propane (CAS 74-98-6)	AGW	1800 mg/m3 1000 ppm	
Greece. OELs (Decree No. 90/1999, a	s amended)		
Components	Туре	Value	Form
2-methylpentane (CAS 107-83-5)	STEL	3600 mg/m3	
		1000 ppm	
	TWA	1800 mg/m3	
		500 ppm	
3-Methylpentane (CAS 96-14-0)	STEL	3600 mg/m3	
	T14/4	1000 ppm	
	TWA	1800 mg/m3	
Dutana (CAC 10C 07 0)	T14/4	500 ppm	
Butane (CAS 106-97-8)	TWA	2350 mg/m3 1000 ppm	
Calcium carbonate (CAS 471-34-1)	TWA	5 mg/m3	Respirable.
•		10 mg/m3	Inhalable
Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	TWA	5 mg/m3	Mist.
torial names Pol Day Super Clean Chain Lube			

Material name: Bel-Ray Super Clean Chain Lube

Components	9, as amended)	Value	Form
Components	Туре	value	FUIIII
imestone (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Inhalable
-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
,		20 ppm	
etrolatum (CAS 8009-03-8)	TWA	5 mg/m3	Mist.
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	
Residual Oils (petroleum),	TWA	5 mg/m3	Mist.
Solvent-refined (CAS		5 mg/ms	
4742-01-4)			
· lungary. OELs. Joint Decree on C	nemical Safety of Workplace	e	
Components	Type	value	Form
<u> </u>			
Butane (CAS 106-97-8)	STEL	9400 mg/m3	
	TWA	2350 mg/m3	
Calcium carbonate (CAS	TWA	10 mg/m3	
71-34-1)			
Distillates (petroleum),	Ceiling	5 mg/m3	Mist.
olvent-refined heavy			
paraffinic (CAS 64741-88-4)			
imestone (CAS 1317-65-3)	TWA	10 mg/m3	
ı-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
Petrolatum (CAS 8009-03-8)	Ceiling	5 mg/m3	Mist.
Residual Oils (petroleum),	Ceiling	5 mg/m3	Mist.
Solvent-refined (CAS			
54742-01-4)			
celand. OELs. Regulation 154/19	99 on occupational exposure	e limits	
Components	Туре	Value	Form
I mothydrontono (CAC	TIMA	700	
!-methylpentane (CAS .07-83-5)	TWA	700 mg/m3	
.07-63-3)		200 ppm	
		200 ppm	
Mathylpantana (CAC			
	TWA	700 mg/m3	
	TWA		
96-14-0)		200 ppm	
96-14-0)	TWA	200 ppm 1200 mg/m3	
96-14-0) Butane (CAS 106-97-8)	TWA	200 ppm 1200 mg/m3 500 ppm	Mist
96-14-0) Butane (CAS 106-97-8) Distillates (petroleum),		200 ppm 1200 mg/m3	Mist.
O6-14-0) Butane (CAS 106-97-8) Distillates (petroleum), solvent-refined heavy	TWA	200 ppm 1200 mg/m3 500 ppm	Mist.
O6-14-0) Sutane (CAS 106-97-8) Distillates (petroleum), Olvent-refined heavy Daraffinic (CAS 64741-88-4)	TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3	Mist.
O6-14-0) Sutane (CAS 106-97-8) Distillates (petroleum), Olvent-refined heavy Daraffinic (CAS 64741-88-4)	TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3	Mist.
O6-14-0) Sutane (CAS 106-97-8) Distillates (petroleum), Solvent-refined heavy Daraffinic (CAS 64741-88-4) Distillates (CAS 110-54-3)	TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm	
O6-14-0) Butane (CAS 106-97-8) Distillates (petroleum), colvent-refined heavy Daraffinic (CAS 64741-88-4) Distillates (Petroleum), Distillates (Pe	TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3	Mist.
O6-14-0) Butane (CAS 106-97-8) Distillates (petroleum), colvent-refined heavy Daraffinic (CAS 64741-88-4) Distillates (Petroleum), Distillates (Pe	TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3	
Petrolatum (CAS 8009-03-8) Postillatum (CAS 106-97-8)  Distillates (petroleum), Solvent-refined heavy Daraffinic (CAS 64741-88-4) Distillates (Petrolatum (CAS 8009-03-8) Propane (CAS 74-98-6)	TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm	Mist.
Potential Cas 106-97-8)  Postillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4) n-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6)  Residual Oils (petroleum),	TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3	
Butane (CAS 106-97-8)  Butane (CAS 106-97-8)  Distillates (petroleum),  olvent-refined heavy  baraffinic (CAS 64741-88-4)  n-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6)  Residual Oils (petroleum),  Golvent-refined (CAS	TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm	Mist.
Petrolatum (CAS 74-98-6) Petrolatum (CAS 74-98-6) Petrolatum (CAS 74-98-6) Residual Oils (petroleum), Solvent-refined heavy Daraffinic (CAS 8009-03-8) Petrolatum (CAS 8009-03-8) Propane (CAS 74-98-6) Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	TWA TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm	Mist.
O6-14-0) Butane (CAS 106-97-8) Distillates (petroleum), Colvent-refined heavy Daraffinic (CAS 64741-88-4) Di-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Dropane (CAS 74-98-6) Residual Oils (petroleum), Colvent-refined (CAS 64742-01-4)  reland. Occupational Exposure Li	TWA TWA TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3	Mist.
O6-14-0) Butane (CAS 106-97-8) Distillates (petroleum), Colvent-refined heavy Daraffinic (CAS 64741-88-4) Di-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Dropane (CAS 74-98-6) Residual Oils (petroleum), Colvent-refined (CAS 64742-01-4)  reland. Occupational Exposure Li	TWA TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), colvent-refined heavy Daraffinic (CAS 64741-88-4) Di-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Dropane (CAS 74-98-6) Desidual Oils (petroleum), Colvent-refined (CAS Di4742-01-4) Teland. Occupational Exposure Licomponents	TWA TWA TWA TWA TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), Polyent-refined heavy Daraffinic (CAS 64741-88-4) Di-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Dropane (CAS 74-98-6) Desidual Oils (petroleum), Display of the components Desidual Occupational Exposure Licomponents Desidual Occupational Exposure Licomponents Desidual Occupational Exposure Licomponents	TWA TWA TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), Polyent-refined heavy Daraffinic (CAS 64741-88-4) Di-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Dropane (CAS 74-98-6) Desidual Oils (petroleum), Display of the components Desidual Occupational Exposure Licomponents Desidual Occupational Exposure Licomponents Desidual Occupational Exposure Licomponents	TWA TWA TWA TWA TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), Polyent-refined heavy Daraffinic (CAS 64741-88-4) Di-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Dropane (CAS 74-98-6) Desidual Oils (petroleum), Display of the components Desidual Occupational Exposure Licomponents Desidual Occupational Exposure Licomponents Desidual Occupational Exposure Licomponents	TWA TWA TWA TWA TWA TWA TWA  TWA  TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3	Mist.
Obe-14-0) Butane (CAS 106-97-8) Distillates (petroleum), Solvent-refined heavy Daraffinic (CAS 64741-88-4) Detrolatum (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Depart (CAS 74-98-6) Desidual Oils (petroleum), Solvent-refined (CAS 64742-01-4) Teland. Occupational Exposure Licomponents Demotrational Exposure Licomponents Demotrational Exposure Licomponents	TWA TWA TWA TWA TWA TWA TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3 Value 3600 mg/m3 1000 ppm 1800 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), solvent-refined heavy baraffinic (CAS 64741-88-4) h-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Propane (CAS 74-98-6) Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4) reland. Occupational Exposure Licomponents Demonents Demonents Demoneration (CAS 647-83-5)	TWA TWA TWA TWA TWA TWA TWA  TWA  TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3  Value  3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), Bolvent-refined heavy Daraffinic (CAS 64741-88-4) Distillates (petroleum), Di	TWA TWA TWA TWA TWA TWA TWA  TWA  TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3 90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3 Value 3600 mg/m3 1000 ppm 1800 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), Bolvent-refined heavy Daraffinic (CAS 64741-88-4) Distillates (petroleum), Di	TWA TWA TWA TWA TWA TWA TWA  TWA  TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3  Value  3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), olvent-refined heavy Paraffinic (CAS 64741-88-4) Parame (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Detrolatum (CAS 74-98-6) Desidual Oils (petroleum), Colvent-refined (CAS 14742-01-4) Perland. Occupational Exposure Licomponents Desidual CAS 14742-01-4) Desidual Oils (Petroleum), Colvent-refined (CAS 14742-01-4) Desidual Oils (Petroleum) D	TWA TWA TWA TWA TWA TWA TWA  TWA  TYPE  STEL  TWA  STEL	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), olvent-refined heavy Paraffinic (CAS 64741-88-4) Parame (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Detrolatum (CAS 74-98-6) Desidual Oils (petroleum), Colvent-refined (CAS 14742-01-4) Perland. Occupational Exposure Licomponents Desidual CAS 14742-01-4) Desidual Oils (Petroleum), Colvent-refined (CAS 14742-01-4) Desidual Oils (Petroleum) D	TWA TWA TWA TWA TWA TWA TWA  TWA  TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), Butane (CAS 64741-88-4) Distribution (CAS 64741-88-4) Distribution (CAS 64741-88-4) Distribution (CAS 110-54-3) Distribution (CAS 8009-03-8) Distribution (CA	TWA TWA TWA TWA TWA TWA TWA  TWA  TYPE  STEL  TWA  STEL  TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3	Mist.
Butane (CAS 106-97-8) Butane (CAS 106-97-8) Distillates (petroleum), Bolvent-refined heavy Daraffinic (CAS 64741-88-4) Di-Hexane (CAS 110-54-3) Detrolatum (CAS 8009-03-8) Dropane (CAS 74-98-6) Residual Oils (petroleum), Bolvent-refined (CAS 64742-01-4) Teland. Occupational Exposure Licomponents Demonents	TWA TWA TWA TWA TWA TWA TWA TWA  TYPE STEL  TWA STEL  TWA TWA TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 500 ppm 1800 mg/m3 500 ppm 1800 ppm 1800 ppm 1800 ppm	Mist.  Mist.  Form
3-Methylpentane (CAS 96-14-0) Butane (CAS 106-97-8) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4) n-Hexane (CAS 110-54-3) Petrolatum (CAS 8009-03-8) Propane (CAS 74-98-6) Residual Oils (petroleum), Solvent-refined (CAS 54742-01-4) Ireland. Occupational Exposure Licomponents 2-methylpentane (CAS 107-83-5) Butane (CAS 106-97-8) Calcium carbonate (CAS 471-34-1)	TWA TWA TWA TWA TWA TWA TWA  TWA  TYPE  STEL  TWA  STEL  TWA	200 ppm 1200 mg/m3 500 ppm 1 mg/m3  90 mg/m3 25 ppm 1 mg/m3 1800 mg/m3 1000 ppm 1 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3	Mist.

Components	Туре	Value	Form
<u> </u>		10 mg/m3	Total inhalable dust.
Distillates (petroleum),	TWA	5 mg/m3	Inhalable fraction.
olvent-refined heavy	IWA	5 Hig/His	Tillialable Haction.
paraffinic (CAS 64741-88-4)			
imestone (CAS 1317-65-3)	TWA	4 mg/m3	Respirable dust.
intestone (CAS 1317 03 3)	TWA	10 mg/m3	Total inhalable dust.
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	rotal illiable dust.
THEXAME (CAS 110 3 1 3)	TWA	20 ppm	
Propane (CAS 74-98-6)	TWA	1000 ppm	
Residual Oils (petroleum),	TWA	5 mg/m3	Inhalable fraction.
Solvent-refined (CAS	IWA	5 Hig/His	Tillialable Haction.
54742-01-4)			
Italy. Occupational Exposure Limi	ito		
Components	Туре	Value	Form
•			
2-methylpentane (CAS	STEL	1000 ppm	
107-83-5)	T\A/A	F00	
Mathada antara (CAC	TWA	500 ppm	
3-Methylpentane (CAS	STEL	1000 ppm	
96-14-0)	T\\/^	E00	
2tono (CAC 10C 07 0)	TWA	500 ppm	
Butane (CAS 106-97-8)	STEL	1000 ppm	Table 1 1 1 1 C 1 1
Distillates (petroleum),	TWA	5 mg/m3	Inhalable fraction.
solvent-refined heavy paraffinic (CAS 64741-88-4)			
Sobutane (CAS 75-28-5)	STEL	1000 nnm	
•		1000 ppm	
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
	77444	20 ppm	T
Petrolatum (CAS 8009-03-8)	TWA	5 mg/m3	Inhalable fraction.
Residual Oils (petroleum),	TWA	5 mg/m3	Inhalable fraction.
Solvent-refined (CAS			
5.4742 01 4\			
•	T)4/4	200 / 2	Non soussel
Solvent Naphtha,	TWA	200 mg/m3	Non-aerosol.
54742-01-4) Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7)	TWA	200 mg/m3	Non-aerosol.
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7)		_	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational exposi	ure limit values of chemical	substances in work environ	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational exposi Components	ure limit values of chemical Type	substances in work environ Value	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7)  Latvia. OELs. Occupational expositional exposition e	ure limit values of chemical	substances in work environ	
Solvent Naphtha,	ure limit values of chemical Type STEL	substances in work enviror Value 300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational exposition Components 2-methylpentane (CAS 107-83-5)	ure limit values of chemical Type STEL TWA	substances in work enviror Value 300 mg/m3 100 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type STEL	substances in work enviror Value 300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type STEL TWA STEL	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational exposit Components 2-methylpentane (CAS 107-83-5) 3-Methylpentane (CAS 26-14-0)	ure limit values of chemical Type STEL TWA STEL TWA	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational exposit Components  2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)	ure limit values of chemical Type STEL TWA STEL TWA STEL	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type STEL TWA STEL TWA STEL TWA	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition expositional exposition exposi	ure limit values of chemical Type STEL TWA STEL TWA STEL	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type STEL TWA STEL TWA STEL TWA TWA	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3  6 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type  STEL  TWA  STEL	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition expositio	ure limit values of chemical Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  STEL  TWA  TWA  STEL  TWA	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA TWA  STEL  TWA STEL  TWA STEL  TWA STEL	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  STEL  TWA  TWA  STEL  TWA	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA TWA  STEL  TWA STEL  TWA STEL  TWA STEL	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  20 ppm	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	ure limit values of chemical Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA TWA  STEL  TWA STEL  TWA STEL  TWA STEL	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA	substances in work environ Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  20 ppm	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  20 ppm 5 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition expo	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  STEL  TWA  TWA  STEL  TWA	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  20 ppm 5 mg/m3  300 mg/m3  1800 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational exposition Components  Pemethylpentane (CAS 107-83-5)  B-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8)  Calcium carbonate (CAS 471-34-1) (Sobutane (CAS 75-28-5)  n-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6)	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  TWA  STEL  TWA	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  20 ppm  5 mg/m3  300 mg/m3  1800 mg/m3  1800 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  STEL  TWA  TWA  STEL  TWA	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  20 ppm 5 mg/m3  300 mg/m3  1800 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational exposition of the components  Permethylpentane (CAS 107-83-5)  B-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8)  Calcium carbonate (CAS 471-34-1) (Sobutane (CAS 75-28-5)  n-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6)  Residual Oils (petroleum), Solvent-refined (CAS	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  TWA  STEL  TWA	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  20 ppm  5 mg/m3  300 mg/m3  1800 mg/m3  1800 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic CAS 64742-88-7) Latvia. OELs. Occupational expositional exposition	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	substances in work enviror Value  300 mg/m3  100 mg/m3 300 mg/m3  100 mg/m3 300 mg/m3 6 mg/m3  300 mg/m3 100 mg/m3 300 mg/m3 20 ppm 5 mg/m3 300 mg/m3 1800 mg/m3 1800 mg/m3 1000 ppm 5 mg/m3	
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7) Latvia. OELs. Occupational expositions Components  2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8)  Calcium carbonate (CAS 471-34-1) Isobutane (CAS 75-28-5)  1-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6)  Residual Oils (petroleum), Solvent-refined (CAS 54742-01-4)  Lithuania. OELs. Limit Values for	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  TWA  STEL  TWA  STEL  TWA  Chemical Substances, General	substances in work enviror Value  300 mg/m3  100 mg/m3  300 mg/m3  100 mg/m3  300 mg/m3  300 mg/m3  6 mg/m3  300 mg/m3  100 mg/m3  20 ppm 5 mg/m3  300 mg/m3  1800 mg/m3  1800 mg/m3  1800 mg/m3  1800 mg/m3	nment
Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7)  Latvia. OELs. Occupational expositional exposition e	Type  STEL  TWA STEL  TWA STEL  TWA STEL  TWA  STEL  TWA  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	substances in work enviror Value  300 mg/m3  100 mg/m3 300 mg/m3  100 mg/m3 300 mg/m3 6 mg/m3  300 mg/m3 100 mg/m3 300 mg/m3 20 ppm 5 mg/m3 300 mg/m3 1800 mg/m3 1800 mg/m3 1000 ppm 5 mg/m3	

Lithuania. OELs. Limit Values fo Components	Туре	Value	Form
		300 ppm	
	TWA	700 mg/m3	
		200 ppm	
-Methylpentane (CAS	STEL	1100 mg/m3	
6-14-0)		<i>5.</i>	
		300 ppm	
	TWA	700 mg/m3	
		200 ppm	
istillates (petroleum),	STEL	3 mg/m3	Fume and mist.
olvent-refined heavy		<u>.</u>	
araffinic (CAS 64741-88-4)			
	TWA	1 mg/m3	Fume and mist.
-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
,		20 ppm	
etrolatum (CAS 8009-03-8)	STEL	3 mg/m3	Fume and mist.
(1.2.2.2.3.3)	TWA	1 mg/m3	Fume and mist.
esidual Oils (petroleum),	STEL	3 mg/m3	Fume and mist.
olvent-refined (CAS	JILL	3 mg/m3	i anic ana mist.
4742-01-4)			
01 1/	TWA	1 mg/m3	Fume and mist.
olvent Naphtha,	STEL	600 mg/m3	rame una mist
etroleum, Medium Aliphatic	JILL	ooo mg/ms	
CAS 64742-88-7)			
		100 ppm	
	TWA	300 mg/m3	
	IVVA		
		50 ppm	
uxembourg. Binding Occupation	nal exposure limit values (Annex I)	), Memorial A	
	<del>-</del>	Value	
omponents	Туре	value	
24), Schedules I and V)	TWA sure Limit Values (L.N. 227. of Occu	72 mg/m3 20 ppm upational Health and \$	Safety Authority Act (CA
-Hexane (CAS 110-54-3)  lalta. OELs. Occupational Expos 24), Schedules I and V)	TWA	72 mg/m3 20 ppm	Safety Authority Act (CA
-Hexane (CAS 110-54-3) lalta. OELs. Occupational Expos 24), Schedules I and V) omponents	TWA sure Limit Values (L.N. 227. of Occu	72 mg/m3 20 ppm upational Health and \$	Safety Authority Act (CA
-Hexane (CAS 110-54-3)  lalta. OELs. Occupational Expose 24), Schedules I and V) components	TWA sure Limit Values (L.N. 227. of Occu	72 mg/m3 20 ppm upational Health and S Value	Safety Authority Act (CA
Hexane (CAS 110-54-3)  Ialta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)	TWA sure Limit Values (L.N. 227. of Occu	72 mg/m3 20 ppm upational Health and S Value 72 mg/m3	Safety Authority Act (CA
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding)	TWA sure Limit Values (L.N. 227. of Occu	72 mg/m3 20 ppm upational Health and S Value 72 mg/m3	Safety Authority Act (CA
Hexane (CAS 110-54-3)  lalta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  etherlands. OELs (binding) omponents	TWA sure Limit Values (L.N. 227. of Occu Type TWA Type	72 mg/m3 20 ppm upational Health and S Value 72 mg/m3 20 ppm Value	Form
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  etherlands. OELs (binding) omponents  istillates (petroleum),	TWA sure Limit Values (L.N. 227. of Occu Type TWA	72 mg/m3 20 ppm upational Health and S Value 72 mg/m3 20 ppm	
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  etherlands. OELs (binding) omponents  istillates (petroleum), olivent-refined heavy	TWA sure Limit Values (L.N. 227. of Occu Type TWA Type	72 mg/m3 20 ppm upational Health and S Value 72 mg/m3 20 ppm Value	Form
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V)  Components  Hexane (CAS 110-54-3)  etherlands. OELs (binding)  components  jstillates (petroleum),  colvent-refined heavy  caraffinic (CAS 64741-88-4)	TWA sure Limit Values (L.N. 227. of Occu Type TWA Type TWA Type TWA	72 mg/m3 20 ppm  upational Health and \$  Value  72 mg/m3 20 ppm  Value  5 mg/m3	Form
Hexane (CAS 110-54-3)  Ialta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Ietherlands. OELs (binding) omponents  istillates (petroleum), olivent-refined heavy eraffinic (CAS 64741-88-4)	TWA sure Limit Values (L.N. 227. of Occu Type TWA Type TWA  Type TWA  STEL	72 mg/m3 20 ppm  upational Health and \$  Value  72 mg/m3 20 ppm  Value  5 mg/m3	Form
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Jetherlands. OELs (binding) omponents  istillates (petroleum), polyent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)	TWA sure Limit Values (L.N. 227. of Occu Type TWA  Type TWA  STEL TWA	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3	Form Mist.
-Hexane (CAS 110-54-3)  Malta. OELs. Occupational Expose 24), Schedules I and V) components -Hexane (CAS 110-54-3)  Metherlands. OELs (binding) components  Distillates (petroleum), colvent-refined heavy araffinic (CAS 64741-88-4) -Hexane (CAS 110-54-3)  etrolatum (CAS 8009-03-8)	TWA sure Limit Values (L.N. 227. of Occu Type TWA  Type TWA  STEL TWA TWA	72 mg/m3 20 ppm  upational Health and \$  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3	Form Mist. Mist.
Hexane (CAS 110-54-3)  Palta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Petherlands. OELs (binding) omponents  Initiatistic (petroleum), polyent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Pesidual Oils (petroleum),	TWA sure Limit Values (L.N. 227. of Occu Type TWA  Type TWA  STEL TWA	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3	Form Mist.
Hexane (CAS 110-54-3)  Palta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Petherlands. OELs (binding) omponents  Istillates (petroleum), polyent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Pesidual Oils (petroleum), polyent-refined (CAS 64741-88-4)	TWA sure Limit Values (L.N. 227. of Occu Type TWA  Type TWA  STEL TWA TWA	72 mg/m3 20 ppm  upational Health and \$  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3	Form Mist. Mist.
Hexane (CAS 110-54-3)  Plalta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Pletherlands. OELs (binding) omponents  Initiatistic (petroleum), polyent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Petrolatum (CAS 8009-03-8)  Pesidual Oils (petroleum), polyent-refined (CAS 4742-01-4)	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA	72 mg/m3 20 ppm  upational Health and \$  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3	Form Mist. Mist.
Hexane (CAS 110-54-3)  Ialta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Ietherlands. OELs (binding) omponents  istillates (petroleum), olivent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Ietrolatum (CAS 8009-03-8)	TWA  Sure Limit Values (L.N. 227. of Occu  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Malta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  Metherlands. OELs (binding) components  Distillates (petroleum), colvent-refined heavy araffinic (CAS 64741-88-4) -Hexane (CAS 110-54-3)  Metrolatum (CAS 8009-03-8) esidual Oils (petroleum), colvent-refined (CAS 4742-01-4)	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA	72 mg/m3 20 ppm  upational Health and \$  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3	Form Mist. Mist.
Hexane (CAS 110-54-3)  Palta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Petherlands. OELs (binding) omponents  Estillates (petroleum), blyent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Pesidual Oils (petroleum), blyent-refined (CAS 4742-01-4)  Porway. Administrative Norms from ponents	TWA  Sure Limit Values (L.N. 227. of Occu  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Ialta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Ietherlands. OELs (binding) omponents  Istillates (petroleum), olivent-refined heavy earaffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Ietrolatum (CAS 8009-03-8)	TWA  Sure Limit Values (L.N. 227. of Occu  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V)  Jomponents  Hexane (CAS 110-54-3)  Jetherlands. OELs (binding)  Jomponents  John Stillates (petroleum),  John Stillates (petroleum),  John Stillates (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Jetrolatum (CAS 8009-03-8)  Jesidual Oils (petroleum),  John Stillates (CAS 4742-01-4)  Jorway. Administrative Norms fromponents  Jorman Mariane (CAS  Jorman Mariane (CAS  Jorman Mariane Mari	TWA  Sure Limit Values (L.N. 227. of Occu  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V)  Jomponents  Hexane (CAS 110-54-3)  Jetherlands. OELs (binding)  Jomponents  Jetherlands (petroleum),  Jolvent-refined heavy  Jeraffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Jetrolatum (CAS 8009-03-8)  Jesidual Oils (petroleum),  Jolvent-refined (CAS 4742-01-4)  Jorway. Administrative Norms fromponents  Jernethylpentane (CAS 17-83-5)	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  Ipational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding) components  distillates (petroleum), colvent-refined heavy diaraffinic (CAS 64741-88-4) Hexane (CAS 110-54-3)  etrolatum (CAS 8009-03-8) desidual Oils (petroleum), colvent-refined (CAS 4742-01-4) corway. Administrative Norms fromponents  methylpentane (CAS 27-83-5)  Methylpentane (CAS	TWA  Sure Limit Values (L.N. 227. of Occu  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Ialta. OELs. Occupational Expose 24), Schedules I and V) omponents  Hexane (CAS 110-54-3)  Ietherlands. OELs (binding) omponents  Istillates (petroleum), olivent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Ietherlands. OELs (binding) omponents  Istillates (petroleum), olivent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 8009-03-8)  Ietrolatum (CAS 8009-03-8)  Ietrola	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  Ipational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding) components  distillates (petroleum), colvent-refined heavy draffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  etrolatum (CAS 8009-03-8) desidual Oils (petroleum), colvent-refined (CAS 4742-01-4)  orway. Administrative Norms fromponents  methylpentane (CAS 507-83-5)  Methylpentane (CAS 55-14-0)	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TOTAL	72 mg/m3 20 ppm  Ipational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 250 ppm 1050 mg/m3 250 ppm	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding) components  distillates (petroleum), colvent-refined heavy draffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  etrolatum (CAS 8009-03-8) desidual Oils (petroleum), colvent-refined (CAS 4742-01-4)  orway. Administrative Norms fromponents  methylpentane (CAS 507-83-5)  Methylpentane (CAS 55-14-0)	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TW	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 250 ppm 1050 mg/m3 250 ppm 1050 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding) components  John John John John John John John John	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TOT  TOT	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3  Value  1050 mg/m3 250 ppm 1050 mg/m3 250 ppm 600 mg/m3 250 ppm	Form Mist. Mist. Mist. Form
Hexane (CAS 110-54-3)  Ialta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding) components  istillates (petroleum), colvent-refined heavy eraffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  etrolatum (CAS 8009-03-8)  esidual Oils (petroleum), colvent-refined (CAS 4742-01-4)  orway. Administrative Norms fromponents  methylpentane (CAS 507-83-5)  Methylpentane (CAS 55-14-0)  utane (CAS 106-97-8)  istillates (petroleum),	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TWA  TOTAL	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 250 ppm 1050 mg/m3 250 ppm 1050 mg/m3	Form Mist. Mist. Mist.
Hexane (CAS 110-54-3)  alta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding) components  stillates (petroleum), olivent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  etrolatum (CAS 8009-03-8)  esidual Oils (petroleum), olivent-refined (CAS 4742-01-4)  corway. Administrative Norms fromponents  methylpentane (CAS 57-83-5)  Methylpentane (CAS 55-14-0)  utane (CAS 106-97-8)  stillates (petroleum), olivent-refined heavy	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TOT  TOT	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3  Value  1050 mg/m3 250 ppm 1050 mg/m3 250 ppm 600 mg/m3 250 ppm	Form Mist. Mist. Mist. Form
Hexane (CAS 110-54-3)  Jalta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  etherlands. OELs (binding) components  istillates (petroleum), colvent-refined heavy caraffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  etrolatum (CAS 8009-03-8)  esidual Oils (petroleum), colvent-refined (CAS 4742-01-4)  orway. Administrative Norms fromponents  methylpentane (CAS 507-83-5)  Methylpentane (CAS 55-14-0)  utane (CAS 106-97-8)  istillates (petroleum), colvent-refined heavy caraffinic (CAS 64741-88-4)	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TOTAL  TOT	72 mg/m3 20 ppm  Ipational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3 250 ppm 1050 mg/m3 250 ppm 600 mg/m3 250 ppm 1 mg/m3	Form Mist. Mist. Mist. Form
Hexane (CAS 110-54-3)  Plalta. OELs. Occupational Expose 24), Schedules I and V) components  Hexane (CAS 110-54-3)  Pletherlands. OELs (binding) components  Polyent-refined heavy araffinic (CAS 64741-88-4)  Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Pesidual Oils (petroleum), olyent-refined (CAS 4742-01-4)  Plorway. Administrative Norms for the components of the	TWA  Sure Limit Values (L.N. 227. of Occur  Type  TWA  Type  TWA  STEL  TWA  TWA  TWA  TWA  TWA  TWA  TOT  TOT	72 mg/m3 20 ppm  upational Health and S  Value  72 mg/m3 20 ppm  Value  5 mg/m3  144 mg/m3 72 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3  Value  1050 mg/m3 250 ppm 1050 mg/m3 250 ppm 600 mg/m3 250 ppm	Form Mist. Mist. Mist. Form

Material name: Bel-Ray Super Clean Chain Lube

SDS EU

Norway. Administrative Norms for Components	Туре	Value	Form
Petrolatum (CAS 8009-03-8)	TLV	1 mg/m3	Mist.
Propane (CAS 74-98-6)	TLV	900 mg/m3	
		500 ppm	
Residual Oils (petroleum),	TLV	1 mg/m3	Mist.
Solvent-refined (CAS			
54742-01-4)			
Poland. MACs. Minister of Labour n Working Environment	and Social Policy Regardin	g Maximum Allowable Concer	ntrations and Intens
Components	Туре	Value	Form
2-methylpentane (CAS	STEL	1200 mg/m3	
107-83-5)	0	====9,e	
,	TWA	400 mg/m3	
3-Methylpentane (CAS	STEL	1200 mg/m3	
6-14-0)		· · · <b>.</b>	
•	TWA	400 mg/m3	
Butane (CAS 106-97-8)	STEL	3000 mg/m3	
- (	TWA	1900 mg/m3	
Calcium carbonate (CAS	TWA	10 mg/m3	Inhalable fraction.
171-34-1)		10 mg/m3	Initial abic indiction
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
Petrolatum (CAS 8009-03-8)	TWA	5 mg/m3	Inhalable fraction.
Propane (CAS 74-98-6)	TWA	1800 mg/m3	Innaiable naction.
Solvent Naphtha,	STEL	300 mg/m3	
Petroleum, Medium Aliphatic	SILL	300 mg/m3	
CAS 64742-88-7)			
CAS 04742-00-7)	TWA	100 mg/m3	
		<u>-</u> -	
Portugal. OELs. Decree-Law n. 29			
Components	Туре	Value	
ı-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
		20 ppm	
Portugal. VLEs. Norm on occupation	onal exposure to chemical	agents (NP 1796)	
Components	Type	Value	Form
			Form
-methylpentane (CAS	Type STEL	Value 1000 ppm	Form
-methylpentane (CAS	STEL	1000 ppm	Form
2-methylpentane (CAS .07-83-5)	STEL TWA	1000 ppm 500 ppm	Form
-methylpentane (CAS 07-83-5) -Methylpentane (CAS	STEL	1000 ppm	Form
2-methylpentane (CAS .07-83-5) 3-Methylpentane (CAS	STEL TWA STEL	1000 ppm 500 ppm 1000 ppm	Form
2-methylpentane (CAS .07-83-5) 3-Methylpentane (CAS .06-14-0)	STEL TWA STEL TWA	1000 ppm 500 ppm 1000 ppm 500 ppm	Form
2-methylpentane (CAS 107-83-5) 3-Methylpentane (CAS 96-14-0) Butane (CAS 106-97-8)	STEL TWA STEL TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm	Form
2-methylpentane (CAS 1.07-83-5) 3-Methylpentane (CAS 1.06-14-0) 3-Methylpentane (CAS 1.06-14-0) 3-Methylpentane (CAS 1.06-14-0)	STEL TWA STEL TWA	1000 ppm 500 ppm 1000 ppm 500 ppm	Form
2-methylpentane (CAS .07-83-5) 3-Methylpentane (CAS .06-14-0) .06-14-0) .07-08-09-09-09-09-09-09-09-09-09-09-09-09-09-	STEL TWA STEL TWA TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3	
R-methylpentane (CAS .07-83-5) R-Methylpentane (CAS .06-14-0) Rutane (CAS 106-97-8) Calcium carbonate (CAS .171-34-1) Distillates (petroleum),	STEL TWA STEL TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm	Form
-methylpentane (CAS 07-83-5)  -Methylpentane (CAS 6-14-0)  Butane (CAS 106-97-8)  Calcium carbonate (CAS 71-34-1)  Distillates (petroleum), olvent-refined heavy	STEL TWA STEL TWA TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3	
R-methylpentane (CAS 07-83-5) R-Methylpentane (CAS 06-14-0) Rutane (CAS 106-97-8) Calcium carbonate (CAS 071-34-1) Distillates (petroleum), olvent-refined heavy	STEL TWA STEL TWA TWA TWA TWA STEL	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3	Aerosol
-methylpentane (CAS 07-83-5)  -Methylpentane (CAS 16-14-0)  Sutane (CAS 106-97-8) Calcium carbonate (CAS 71-34-1) Distillates (petroleum), olvent-refined heavy taraffinic (CAS 64741-88-4)	STEL TWA STEL TWA TWA TWA STEL  TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 1000 ppm 10 mg/m3 10 mg/m3	
R-methylpentane (CAS 07-83-5) R-Methylpentane (CAS 16-14-0) Rutane (CAS 106-97-8) Calcium carbonate (CAS 171-34-1) Distillates (petroleum), olvent-refined heavy paraffinic (CAS 64741-88-4) Sobutane (CAS 75-28-5)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm	Aerosol
r-methylpentane (CAS 07-83-5)  r-Methylpentane (CAS 16-14-0)  resultane (CAS 106-97-8)  resultane (CAS 75-28-5)  resultane (CAS 110-54-3)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA STEL	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm	Aerosol
-methylpentane (CAS 07-83-5)  -Methylpentane (CAS 6-14-0)  Sutane (CAS 106-97-8) Salcium carbonate (CAS 71-34-1) Distillates (petroleum), Solvent-refined heavy araffinic (CAS 64741-88-4)  Sobutane (CAS 75-28-5) -Hexane (CAS 110-54-3)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm	Aerosol
-methylpentane (CAS 07-83-5)  -Methylpentane (CAS 6-14-0)  Sutane (CAS 106-97-8) Salcium carbonate (CAS 71-34-1) Distillates (petroleum), Solvent-refined heavy araffinic (CAS 64741-88-4)  Sobutane (CAS 75-28-5) -Hexane (CAS 110-54-3)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA STEL	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm	Aerosol
-methylpentane (CAS 07-83-5)  -Methylpentane (CAS 66-14-0)  Butane (CAS 106-97-8) Calcium carbonate (CAS 771-34-1) Distillates (petroleum), colvent-refined heavy caraffinic (CAS 64741-88-4)  Sobutane (CAS 75-28-5) Distillates (CAS 110-54-3) Cetrolatum (CAS 8009-03-8)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA STEL	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm 10 mg/m3	Aerosol Aerosol
r-methylpentane (CAS 07-83-5)  r-Methylpentane (CAS 66-14-0)  sutane (CAS 106-97-8) calcium carbonate (CAS 771-34-1) Distillates (petroleum), olvent-refined heavy haraffinic (CAS 64741-88-4)  robutane (CAS 75-28-5) r-Hexane (CAS 110-54-3) Petrolatum (CAS 8009-03-8)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA TWA TWA TWA TWA TWA TWA TWA STEL TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm 10 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Aerosol Aerosol Aerosol
-methylpentane (CAS 07-83-5)  -Methylpentane (CAS 6-14-0)  utane (CAS 106-97-8) falcium carbonate (CAS 71-34-1) pistillates (petroleum), polyent-refined heavy araffinic (CAS 64741-88-4)  sobutane (CAS 75-28-5) -Hexane (CAS 110-54-3) etrolatum (CAS 8009-03-8)  ropane (CAS 74-98-6) esidual Oils (petroleum),	STEL TWA STEL TWA TWA TWA STEL  TWA TWA STEL  TWA TWA TWA TWA TWA TWA STEL TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm 10 mg/m3 5 mg/m3	Aerosol Aerosol
-methylpentane (CAS 07-83-5)  I-Methylpentane (CAS 16-14-0)  Sutane (CAS 106-97-8) Calcium carbonate (CAS 71-34-1) Distillates (petroleum), Colvent-refined heavy Caraffinic (CAS 64741-88-4)  Sobutane (CAS 75-28-5) CHEXANE (CAS 110-54-3) Cetrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6) Cesidual Oils (petroleum), Colvent-refined (CAS 6009-03-8)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA TWA TWA TWA TWA TWA TWA TWA STEL TWA TWA	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm 10 mg/m3 5 mg/m3 5 mg/m3 5 mg/m3	Aerosol Aerosol Aerosol
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 26-14-0)  3-Methylpentane (CAS 26-14-0)  3-Methylpentane (CAS 26-14-0)  3-Methylpentane (CAS 306-97-8)  Calcium carbonate (CAS 471-34-1)  Distillates (petroleum),  Solvent-refined heavy  Daraffinic (CAS 64741-88-4)  3-Sobutane (CAS 75-28-5)  3-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6)  Residual Oils (petroleum),  Solvent-refined (CAS	STEL TWA STEL TWA TWA TWA STEL  TWA TWA TWA TWA TWA TWA STEL TWA STEL TWA TWA STEL TWA TWA STEL	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm 10 mg/m3 5 mg/m3 2500 ppm 10 mg/m3	Aerosol Aerosol Aerosol
Components  2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Butane (CAS 106-97-8) Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy baraffinic (CAS 64741-88-4)  Sobutane (CAS 75-28-5) n-Hexane (CAS 110-54-3) Petrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6) Residual Oils (petroleum), Solvent-refined (CAS 54742-01-4)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA TWA TWA TWA STEL TWA TWA STEL TWA TWA TWA TWA TWA TWA TWA TWA TWA	1000 ppm 500 ppm 1000 ppm 1000 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm 10 mg/m3 5 mg/m3 2500 ppm 10 mg/m3	Aerosol Aerosol Aerosol Aerosol Aerosol
-methylpentane (CAS 07-83-5)  I-Methylpentane (CAS 16-14-0)  Sutane (CAS 106-97-8) Calcium carbonate (CAS 71-34-1) Distillates (petroleum), Colvent-refined heavy Caraffinic (CAS 64741-88-4)  Sobutane (CAS 75-28-5) CHEXANE (CAS 110-54-3) Cetrolatum (CAS 8009-03-8)  Propane (CAS 74-98-6) Cesidual Oils (petroleum), Colvent-refined (CAS 6009-03-8)	STEL TWA STEL TWA TWA TWA STEL  TWA TWA TWA TWA TWA TWA STEL TWA STEL TWA TWA STEL TWA TWA STEL	1000 ppm 500 ppm 1000 ppm 500 ppm 1000 ppm 10 mg/m3 10 mg/m3 5 mg/m3 1000 ppm 50 ppm 10 mg/m3 5 mg/m3 2500 ppm 10 mg/m3	Aerosol Aerosol Aerosol Aerosol

Material name: Bel-Ray Super Clean Chain Lube

Components

Butane (CAS 106-97-8)

SDS EU

99470 Version #: 4,0 Revision date: 02-June-2016 Issue date: 16-June-2010

Type

STEL

 $\mathsf{TWA}$ 

Form

Value

1500 mg/m3 1200 mg/m3

Romania. OELs. Protection of workers Components	from exposure to chemical agents  Type	s at the workplace Value	Form
Calcium carbonate (CAS 471-34-1)	TWA	10 mg/m3	Inhalable fraction.
Distillates (petroleum), solvent-refined heavy	STEL	10 mg/m3	
paraffinic (CAS 64741-88-4)	TIMA	5 / 2	
Technique (CAC 7F 20 F)	TWA	5 mg/m3	
Isobutane (CAS 75-28-5)	STEL	1500 mg/m3	
Limestone (CAS 1317-65-3)	TWA TWA	1200 mg/m3 10 mg/m3	Inhalable fraction.
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	Tillalable Haction.
II-Hexalle (CAS 110-54-5)	TWA	20 ppm	
Petrolatum (CAS 8009-03-8)	STEL	10 mg/m3	
retrolatam (eAS 6005 05 0)	TWA	5 mg/m3	
Propane (CAS 74-98-6)	STEL	1800 mg/m3	
110pane (CAS 7 1 30 0)	SILL	1000 mg/ms	
	TWA	1400 mg/m3	
		778 ppm	
Residual Oils (petroleum),	STEL	10 mg/m3	
Solvent-refined (CAS 64742-01-4)		- J, -	
,	TWA	5 mg/m3	
Slovakia. OELs for carcinogens and mo Components	utagens. Regulation No. 46/2002 o Type	on carcinogenic a Value	nd mutagenic substances
Butane (CAS 106-97-8)	TWA	2400 mg/m3	
,		1000 ppm	
Isobutane (CAS 75-28-5)	TWA	2400 mg/m3	
		1000 ppm	
Slovakia. OELs. Regulation No. 300/20 Components			
Components	Туре	Value	Form
2-methylpentane (CAS 107-83-5)	STEL	3600 mg/m3	Form
2-methylpentane (CAS			Form
2-methylpentane (CAS	STEL	3600 mg/m3 1000 ppm 1800 mg/m3	Form
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS	STEL	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm	Form
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS	STEL	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3	Form
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS	STEL  TWA  STEL	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm	Form
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS	STEL  TWA  STEL	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3	Form
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum),	STEL  TWA  STEL  TWA	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy	STEL  TWA  STEL  TWA  TWA	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 10 mg/m3	
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum),	STEL  TWA  STEL  TWA  TWA	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	STEL  TWA  STEL  TWA  TWA  STEL	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3	
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3)	STEL  TWA  STEL  TWA  TWA	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)	STEL  TWA  STEL  TWA  TWA  STEL	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3)	STEL  TWA  STEL  TWA  TWA  STEL	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3  15 ppm 10 mg/m3 140 mg/m3	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3)	STEL TWA STEL TWA TWA STEL  TWA STEL	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3  15 ppm 10 mg/m3 140 mg/m3 40 ppm	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3)	STEL TWA STEL TWA TWA STEL  TWA STEL	3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3 1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3 15 ppm 10 mg/m3 140 mg/m3 40 ppm 72 mg/m3	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3) n-Hexane (CAS 110-54-3)	STEL TWA STEL TWA TWA STEL TWA STEL TWA STEL	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3  15 ppm 10 mg/m3 140 mg/m3 40 ppm 72 mg/m3 20 ppm	Fume and mist. Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3) n-Hexane (CAS 110-54-3)	STEL TWA STEL TWA TWA STEL TWA STEL TWA STEL	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3  15 ppm 10 mg/m3 140 mg/m3 40 ppm 72 mg/m3 20 ppm 3 mg/m3	Fume and mist. Fume and mist. Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3) n-Hexane (CAS 110-54-3)	STEL TWA STEL TWA TWA STEL TWA STEL TWA STEL TWA STEL TWA	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3  15 ppm 10 mg/m3 140 mg/m3 40 ppm 72 mg/m3 20 ppm 3 mg/m3 15 ppm 1 mg/m3 5 ppm	Fume and mist. Fume and mist. Fume and mist. Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3) n-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)  Residual Oils (petroleum), Solvent-refined (CAS	STEL TWA STEL TWA TWA STEL TWA STEL TWA STEL TWA STEL	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3  15 ppm 10 mg/m3 140 mg/m3 40 ppm 72 mg/m3 20 ppm 3 mg/m3 15 ppm 1 mg/m3	Fume and mist.
2-methylpentane (CAS 107-83-5)  3-Methylpentane (CAS 96-14-0)  Calcium carbonate (CAS 471-34-1) Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4)  Limestone (CAS 1317-65-3) n-Hexane (CAS 110-54-3)  Petrolatum (CAS 8009-03-8)	STEL TWA STEL TWA TWA STEL TWA STEL TWA STEL TWA STEL TWA	3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 3600 mg/m3  1000 ppm 1800 mg/m3 500 ppm 10 mg/m3 3 mg/m3  15 ppm 10 mg/m3 140 mg/m3 40 ppm 72 mg/m3 20 ppm 3 mg/m3 15 ppm 1 mg/m3 5 ppm	Fume and mist.  Fume and mist.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Туре	Value	
2-methylpentane (CAS 107-83-5)	TWA	720 mg/m3	
		200 ppm	
3-Methylpentane (CAS 96-14-0)	TWA	720 mg/m3	
		200 ppm	
Butane (CAS 106-97-8)	TWA	2400 mg/m3	
		1000 ppm	
Isobutane (CAS 75-28-5)	TWA	2400 mg/m3	
		1000 ppm	
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
		20 ppm	
Propane (CAS 74-98-6)	TWA	1800 mg/m3	
		1000 ppm	
Spain. Occupational Exposure Lin Components	nits Type	Value	Form
2-methylpentane (CAS 107-83-5)	STEL	3580 mg/m3	
	<b></b>	1000 ppm	
	TWA	1790 mg/m3	
244	077	500 ppm	
3-Methylpentane (CAS 96-14-0)	STEL	3580 mg/m3	
		1000 ppm	
	TWA	1790 mg/m3	
		500 ppm	
Butane (CAS 106-97-8)	TWA	1000 ppm	
Distillates (petroleum),	STEL	10 mg/m3	Mist.
solvent-refined heavy			
paraffinic (CAS 64741-88-4)	T34/4	5 / 2	
	TWA	5 mg/m3	Mist.
Isobutane (CAS 75-28-5)	TWA	1000 ppm	
n-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
D		20 ppm	
Petrolatum (CAS 8009-03-8)	STEL	10 mg/m3	Mist.
D (CAC 74 00 C)	TWA	5 mg/m3	Mist.
Propane (CAS 74-98-6)	TWA	1000 ppm	
Residual Oils (petroleum), Solvent-refined (CAS 64742-01-4)	STEL	10 mg/m3	Mist.
04/42-01-4)	TWA	5 mg/m3	Mist.
Sweden. Occupational Exposure		- <b>3,</b> -	
Components	Туре	Value	Form
2-methylpentane (CAS 107-83-5)	STEL	1100 mg/m3	
•		300 ppm	
	TWA	700 mg/m3	
		200 ppm	
3-Methylpentane (CAS	STEL	1100 mg/m3	
96-14-0)		3,	
		300 ppm	
	TWA	700 mg/m3	
		200 ppm	
		3 mg/m3	Mist.
	STEL	5 mg/ms	11130
solvent-refined heavy	STEL	3 mg/ms	Misc
solvent-refined heavy		-	
solvent-refined heavy paraffinic (CAS 64741-88-4)	TWA	1 mg/m3	Mist.
solvent-refined heavy paraffinic (CAS 64741-88-4)		1 mg/m3 180 mg/m3	
solvent-refined heavy paraffinic (CAS 64741-88-4)	TWA STEL	1 mg/m3 180 mg/m3 50 ppm	
Distillates (petroleum), solvent-refined heavy paraffinic (CAS 64741-88-4) n-Hexane (CAS 110-54-3)	TWA	1 mg/m3 180 mg/m3	

Components	Туре	Value	Form
Petrolatum (CAS 8009-03-8)	STEL	3 mg/m3	Mist.
	TWA	1 mg/m3	Mist.
lesidual Oils (petroleum), folvent-refined (CAS	STEL	3 mg/m3	Mist.
64742-01-4)	TWA	1 mg/m3	Mist.
witzerland. SUVA Grenzwerte a		ı mg/ms	Misc.
Components	Туре	Value	Form
-methylpentane (CAS 07-83-5)	STEL	3600 mg/m3	
		1000 ppm	
	TWA	1800 mg/m3	
		500 ppm	
-Methylpentane (CAS	STEL	3600 mg/m3	
6-14-0)		1000 ppm	
	TWA	1800 mg/m3	
		500 ppm	
utane (CAS 106-97-8)	STEL	7200 mg/m3	
(0.0 100 5, 0)	J. LL	3200 ppm	
	TWA	1900 mg/m3	
	I VVA	800 ppm	
`alcium carbonata (CAS	TWA	3 mg/m3	Decnirable dust
alcium carbonate (CAS 71-34-1)		_	Respirable dust.
sobutane (CAS 75-28-5)	STEL	7200 mg/m3	
		3200 ppm	
	TWA	1900 mg/m3	
		800 ppm	
-Hexane (CAS 110-54-3)	STEL	1440 mg/m3	
•		400 ppm	
	TWA	180 mg/m3	
		50 ppm	
ropane (CAS 74-98-6)	STEL	7200 mg/m3	
	- ·	4000 ppm	
	TWA	1800 mg/m3	
	1 ***	1000 mg/ms	
K. EH40 Workplace Exposure L			_
components	Туре	Value	Form
Butane (CAS 106-97-8)	STEL	1810 mg/m3	
	T) 4/4	750 ppm	
	TWA	1450 mg/m3	
	T14/4	600 ppm	<b>.</b>
Calcium carbonate (CAS 71-34-1)	TWA	4 mg/m3	Respirable.
-		4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable
		10 mg/m3	Inhalable dust.
mestone (CAS 1317-65-3)	TWA	4 mg/m3	Respirable.
( · · · · · · · · ·		4 mg/m3	Respirable dust.
		10 mg/m3	Inhalable
		10 mg/m3	Inhalable dust.
-Hexane (CAS 110-54-3)	TWA	72 mg/m3	Imalable dust.
TICAUTO (CAS IIU-ST-S)	1 vv 🗥	20 ppm	
U. Indicative Exposure Limit Va			EC, 2009/161/EU
Components	Туре	Value	
-Hexane (CAS 110-54-3)	TWA	72 mg/m3	
•		20 ppm	

France. Biological indica Components	ators of exposure ( Value	IBE) (National Instit Determinant	ute for Resear Specimen	ch and Security (INRS, ND 2065) Sampling time
n-Hexane (CAS 110-54-3)	5 mg/g	2,5-Hexanedion e	Creatinine in urine	*
st - For sampling details, pl	ease see the source d	locument.		
Germany. TRGS 903, BA	AT List (Biological L	imit Values)		
Components	Value	Determinant	Specimen	Sampling time
n-Hexane (CAS 110-54-3)	5 mg/l	2,5-Hexandion plus 4,5-Dihydroxy- 2-hexanon (nach Hydrolyse)	Urine	*
* - For sampling details, pl	eace see the source of	locument		
- I OI Samping uctails, pr	case see the sounce t	iocument.		
			e No. 25/2000	(Annex 2): Permissible limit val
Hungary. Chemical Safe of biological exposure (	ety at Workplace Or (effect) indices			(Annex 2): Permissible limit val
Hungary. Chemical Safe of biological exposure (	ety at Workplace Or		e No. 25/2000 Specimen	(Annex 2): Permissible limit values
Hungary. Chemical Safe of biological exposure ( Components	ety at Workplace Or (effect) indices	dinance Joint Decre		
	ety at Workplace Or (effect) indices Value	Determinant hexane-2,5-dio	Specimen Creatinine in	Sampling time
Hungary. Chemical Safe of biological exposure ( Components	ety at Workplace Or (effect) indices Value 3,5 mg/g 3,5 µmol/mmol	Determinant hexane-2,5-dio n hexane-2,5-dio n	Specimen  Creatinine in urine Creatinine in	Sampling time *
Hungary. Chemical Safe of biological exposure ( Components n-Hexane (CAS 110-54-3)  * - For sampling details, pl	ety at Workplace Or (effect) indices Value 3,5 mg/g 3,5 µmol/mmol	Determinant hexane-2,5-dio n hexane-2,5-dio n document.	Specimen  Creatinine in urine Creatinine in urine	Sampling time *
Hungary. Chemical Safe of biological exposure ( Components  n-Hexane (CAS 110-54-3)  * - For sampling details, pl Slovakia. BLVs (Biologic chemical agents, Annex	ety at Workplace Or (effect) indices Value 3,5 mg/g 3,5 µmol/mmol dease see the source of cal Limit Value). Re	Determinant hexane-2,5-dio n hexane-2,5-dio n document. gulation no. 355/20	Specimen  Creatinine in urine Creatinine in urine 06 concerning	Sampling time  *  *  protection of workers exposed to
Hungary. Chemical Safe of biological exposure ( Components  n-Hexane (CAS 110-54-3)  * - For sampling details, pl Slovakia. BLVs (Biologic chemical agents, Annex	ety at Workplace Or (effect) indices Value 3,5 mg/g 3,5 µmol/mmol ease see the source of cal Limit Value). Re	Determinant hexane-2,5-dio n hexane-2,5-dio n document.	Specimen  Creatinine in urine Creatinine in urine	Sampling time  *  *
Hungary. Chemical Safe of biological exposure ( Components  n-Hexane (CAS 110-54-3)  * - For sampling details, pl Slovakia. BLVs (Biologic chemical agents, Annex Components	ety at Workplace Or (effect) indices Value 3,5 mg/g 3,5 µmol/mmol dease see the source of cal Limit Value). Re	Determinant hexane-2,5-dio n hexane-2,5-dio n document. gulation no. 355/20	Specimen  Creatinine in urine Creatinine in urine 06 concerning	Sampling time  *  *  protection of workers exposed to
Hungary. Chemical Safe of biological exposure ( Components n-Hexane (CAS 110-54-3)  * - For sampling details, pl	ety at Workplace Or (effect) indices Value 3,5 mg/g 3,5 µmol/mmol ease see the source of cal Limit Value). Re ( 2 Value	Determinant hexane-2,5-dio n hexane-2,5-dio n document. gulation no. 355/20	Specimen  Creatinine in urine Creatinine in urine Of concerning Specimen	Sampling time  *  *  protection of workers exposed to sampling time

* _	For o	nnilna	detaile	nlasca	caa tha	COLIFCA	document.
-1-	LOL 4	sambiinu	details.	Diease	see me	SOURCE	document.

Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4					
Components	Value	Determinant	Specimen	Sampling time	
n-Hexane (CAS 110-54-3)	0,2 mg/l	2,5-Hexanodion a, sin hidrólisis	Urine	*	

<sup>\* -</sup> For sampling details, please see the source document.

Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)						
Components	Value	Determinant	Specimen	Sampling time		
n-Hexane (CAS 110-54-3)	5 mg/l	2,5-Hexandion plus 4,5-Dihydroxy- 2-hexanon	Urine	*		

<sup>\* -</sup> For sampling details, please see the source document.

Recommended monitoring procedures	Follow standard monitoring procedures.
Derived no effect levels (DNELs)	Not available.
Predicted no effect concentrations (PNECs)	Not available.

## 8.2. Exposure controls

## Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

#### Individual protection measures, such as personal protective equipment

Use personal protective equipment as required. Personal protection equipment should be chosen **General information** 

according to the CEN standards and in discussion with the supplier of the personal protective

equipment.

Eye/face protection

Chemical respirator with organic vapour cartridge and full facepiece.

Skin protection

Wear appropriate chemical resistant gloves. - Hand protection

- Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory protection** Chemical respirator with organic vapour cartridge and full facepiece.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

Hygiene measures When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as

washing after handling the material and before eating, drinking, and/or smoking. Routinely wash

work clothing and protective equipment to remove contaminants.

**Environmental exposure** 

controls

Inform appropriate managerial or supervisory personnel of all environmental releases.

## **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

**Appearance** 

Physical state Liquid. **Form** Aerosol Colour Not available. Not available. Odour Not available. **Odour threshold** Not available. Melting point/freezing point Not available. Not available.

Initial boiling point and

boiling range

Flash point -104,0 °C (-155,2 °F) Pensky-Martens Closed Cup propellant

**Evaporation rate** Not available. Flammability (solid, gas) Not available. Upper/lower flammability or explosive limits

Flammability limit - lower

0,7 % estimated

(%)

Flammability limit -

upper (%)

9,5 % estimated

Vapour pressure Not available.

1020,00 kg/m3 concentrate Density

Not available. Vapour density Not available. Relative density

Solubility(ies)

Not available. Solubility (water) Solubility (other) Not available. **Partition coefficient** Not available.

(n-octanol/water)

Not available. **Auto-ignition temperature Decomposition temperature** Not available. Not available. Viscosity **Explosive properties** Not available. Not available. Oxidising properties

9.2. Other information

Flash point class Flammable IA

VOC 81 %

## **SECTION 10: Stability and reactivity**

**10.1. Reactivity** Strong oxidising agents. The product is stable and non-reactive under normal conditions of use,

storage and transport.

10.2. Chemical stability Risk of ignition.

10.3. Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid** Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**10.5. Incompatible materials** Strong oxidising agents. Nitrates. Fluorine. Chlorine.

10.6. Hazardous

At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

decomposition products

## **SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

## Information on likely routes of exposure

**Inhalation** May cause damage to organs through prolonged or repeated exposure by inhalation. May cause

drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.

**Skin contact** Causes skin irritation.

**Eye contact** Causes serious eye irritation.

**Ingestion** Harmful if swallowed.

Symptoms May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms

may include stinging, tearing, redness, swelling, and blurred vision. Irritation of nose and throat.

Skin irritation. May cause redness and pain.

#### 11.1. Information on toxicological effects

Acute toxicity Harmful if swallowed. Narcotic effects.

Components	Species	Test results
n-Hexane (CAS 110-54-3)		
<u>Acute</u>		
Inhalation		
LC50	Mouse	48000 ppm, 4 Hours
Oral		
LD50	Rat	28710 mg/kg
Zinc oxide (CAS 1314-13-2)		
<u>Acute</u>		
Inhalation		
LC50	Mouse	> 5,7 mg/l, 4 Hours
Oral		
LD50	Mouse	7950 mg/kg
	Rat	> 5 g/kg

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

**Respiratory sensitisation** Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Suspected of damaging fertility.

Specific target organ toxicity - single exposure

May cause drowsiness and dizziness.

Specific target organ toxicity - repeated

May cause damage to organs through prolonged or repeated exposure.

toxicity - repeated exposure

**Aspiration hazard** 

Due to partial or complete lack of data the classification is not possible.

Mixture versus substance No information available.

information

Material name: Bel-Ray Super Clean Chain Lube
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Other information Not available.

## **SECTION 12: Ecological information**

12.1. Toxicity Harmful to aquatic life with long lasting effects.

Components **Species Test results** 

n-Hexane (CAS 110-54-3)

**Aquatic** 

Fish LC50 Fathead minnow (Pimephales promelas) 2,101 - 2,981 mg/l, 96 hours

Zinc oxide (CAS 1314-13-2)

Aquatic

LC50 Fish Fathead minnow (Pimephales promelas) 2246 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

12.2. Persistence and

degradability

No data is available on the degradability of this product.

12.3. Bioaccumulative

No data available.

potential

**Partition coefficient** n-octanol/water (log Kow)

> 2-methylpentane 3,74 3-Methylpentane 3,6 n-Hexane 3,9

**Bioconcentration factor (BCF)** Not available. 12.4. Mobility in soil No data available. 12.5. Results of PBT Not available.

and vPvB assessment

12.6. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product

residues. This material and its container must be disposed of in a safe manner (see: Disposal

instructions).

Empty containers should be taken to an approved waste handling site for recycling or disposal. Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Do not re-use empty containers.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of

as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

## **SECTION 14: Transport information**

ADR

14.1. UN number

14.2. UN proper shipping Aerosols, flammable

14.3. Transport hazard class(es)

Class 2.1 Subsidiary risk

Not available. Hazard No. (ADR) **Tunnel restriction** Not available.

No.

code

14.4. Packing group Not applicable.

14.5. Environmental

hazards

Material name: Bel-Ray Super Clean Chain Lube

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user RID UN1950 14.1. UN number 14.2. UN proper shipping Aerosols, flammable 14.3. Transport hazard class(es) Class 2.1 Subsidiary risk Label(s) 2.1 14.4. Packing group Not applicable. 14.5. Environmental No. hazards 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user **ADN** 14.1. UN number UN1950 14.2. UN proper shipping Aerosols, flammable name 14.3. Transport hazard class(es) Class **Subsidiary risk** 2.1 Label(s) Not applicable. 14.4. Packing group 14.5. Environmental No. hazards 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user IATA 14.1. UN number UN1950 14.2. UN proper shipping Environmentally hazardous substance, liquid, n.o.s. name 14.3. Transport hazard class(es) 9 Class **Subsidiary risk** 14.4. Packing group III14.5. Environmental Yes hazards **ERG Code** 9L 14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling. for user Other information Passenger and cargo Allowed with restrictions. aircraft Allowed with restrictions. Cargo aircraft only UN1950 14.1. UN number 14.2. UN proper shipping AEROSOLS, flammable name 14.3. Transport hazard class(es) Class 2.1

**IMDG** 

Subsidiary risk

14.4. Packing group Not applicable.

14.5. Environmental hazards

Marine pollutant No.

**EmS** 

14.6. Special precautions Read safety instructions, SDS and emergency procedures before handling.

for user

14.7. Transport in bulk Not established.

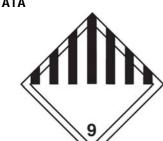
Marpol and the IBC Code

according to Annex II of

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#### ADN; ADR; IMDG; RID





#### Marine pollutant



## **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## **EU regulations**

#### **Authorisations**

#### **Restrictions on use**

## Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

2-methylpentane (CAS 107-83-5)

3-Methylpentane (CAS 96-14-0)

n-Hexane (CAS 110-54-3)

## Other EU regulations

#### Directive 2012/18/EU on major accident hazards involving dangerous substances

2-methylpentane (CAS 107-83-5)

3-Methylpentane (CAS 96-14-0)

n-Hexane (CAS 110-54-3)

Zinc oxide (CAS 1314-13-2)

# Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

2-methylpentane (CAS 107-83-5)

3-Methylpentane (CAS 96-14-0)

n-Hexane (CAS 110-54-3)

Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7)

## Directive 94/33/EC on the protection of young people at work

n-Hexane (CAS 110-54-3)

Solvent Naphtha, Petroleum, Medium Aliphatic (CAS 64742-88-7)

## Other regulations The product is classified and labelled in accordance with EC directives or respective national laws

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

## National regulations Young people under 18 years old are not allowed to work with this product according to EU

Directive 94/33/EC on the protection of young people at work. Follow national regulation for work

with chemical agents.

No Chemical Safety Assessment has been carried out.

#### **International Inventories**

Country(s) or region

Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

Inventory name

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

Philippine Inventory of Chemicals and Chemical Substances

#### **SECTION 16: Other information**

List of abbreviations Not available. References Not available.

Information on evaluation method leading to the classification of mixture

**Philippines** 

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

**Revision information** 

**Training information** Follow training instructions when handling this material.

Disclaimer Bel-Ray Company, LLC cannot anticipate all conditions under which this information and its product,

or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any

process, unless specified in the text.

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On inventory (yes/no)\*

Yes

Yes