



## SAFETY DATA SHEET

in accordance with 1907/2006/EC (REACH, as amended by 453/2010/EC) and 29 CFR 1910.1200

Revision date: 30 April 2015

Initial date of issue: 5 July 2007

SDS No. 417-5

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

633 SXCM Synthetic, Extreme Pressure, Corrosion Resistant Grease with Moly

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

Synthetic base oil lubricating grease. Superior multi-purpose grease for heavy loads, high heat and corrosive environments.

#### 1.3. Details of the supplier of the safety data sheet

##### Company:

A.W. CHESTERTON COMPANY  
860 Salem Street  
Groveland, MA 01834-1507, USA  
Tel.: +1 978-469-6446 Fax: +1 978-469-6785  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: [www.chesterton.com](http://www.chesterton.com)  
E-mail (SDS questions): [ProductMSDSs@chesterton.com](mailto:ProductMSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

##### Supplier:

#### 1.4. Emergency telephone number

24 hours per day, 7 days per week  
Call Infotrac: 1-800-535-5053  
Outside N. America: +1 352-323-3500 (collect)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, 29 CFR 1910.1200, WHMIS 2015 and GHS.

##### 2.1.2. Classification according to Directives 1999/45/EC and 1975/324/EEC

This product does not meet the criteria for classification in any danger category according to Directive 1999/45/EC on classification, packaging and labelling of dangerous preparations.

##### 2.1.3. Classification according to WHMIS 1988

Not controlled

##### 2.1.4. Australian statement of hazardous nature

Not classified as hazardous according to criteria of Safe Work Australia.

##### 2.1.5. Additional information

None

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / GHS

Hazard pictograms: N/A

Signal word: None

Hazard statements: None

Precautionary statements: None

Supplemental information: None

#### 2.3. Other hazards

Direct contact may cause mild eye and skin irritation.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	Classification (CLP/GHS)	Classification (67/548/EEC)
Molybdenum Disulfide	3-7	1317-33-5 215-263-9	NA	Not classified	Not classified
Other ingredients <sup>1</sup> :					
Baseoil – unspecified*	40-60	**	NA	Not classified	Not classified
Calcium carbonate	10-20	1317-65-3 215-279-6	NA	Not classified***	Not classified

Indications of danger acc. to 67/548/EEC: Not applicable

For full text of H-statements and R-phrases: see SECTION 16.

\*Contains less than 3 % DMSO extract as measured by IP 346.

\*\*The base oil for this product can be a mixture of any of the following highly refined petroleum streams: CAS No. 64741-88-4, 64741-89-5, 64741-96-4, 64741-97-5, 64742-01-4, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-62-7, 64742-63-8, 64742-65-0, 72623-83-7, 72623-85-9, 72623-86-0, 72623-87-1

\*\*\*Substance with a workplace exposure limit.

<sup>1</sup> Classified according to: \* 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L.O. 111F), California Proposition 65  
\* 1272/2008/EC, 67/548/EEC, 99/45/EC, REACH  
\* WHMIS 2015  
\* Safe Work Australia [NOHSC: 1008 (2004)]

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

**Inhalation:** Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

**Skin contact:** Wash skin with soap and water. Contact physician if irritation persists.

**Eye contact:** Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

**Ingestion:** Do not induce vomiting. Contact physician immediately.

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

Direct contact may cause mild eye and skin irritation. Prolonged or repeated skin contact may defat the skin and cause dermatitis.

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

High velocity injection under the skin may leave a bloodless puncture wound subject to infection, disfigurement, lack of blood and may require amputation. Immediate treatment by a surgical specialist is recommended.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1. Extinguishing media**

Carbon Dioxide, dry chemical or water spray

**5.2. Special hazards arising from the substance or mixture**

None

**5.3. Advice for firefighters**

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

**Flammability Classification:** –

**HAZCHEM Emergency Action Code:** 2 **Z**

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Utilize exposure controls and personal protection as specified in Section 8.

**6.2. Environmental Precautions**

Keep out of sewers, streams and waterways.

**6.3. Methods and material for containment and cleaning up**

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Utilize exposure controls and personal protection as specified in Section 8. Remove contaminated clothing. Wash before eating, drinking or smoking. Injection into the body without immediate medical treatment may cause loss of affected part of the body.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, dry area.

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

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limit values**

Ingredients	OSHA PEL <sup>1</sup>		ACGIH TLV <sup>2</sup>		UK WEL <sup>3</sup>		AUSTRALIA ES <sup>4</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Molybdenum Disulfide	–	10	(inhal) (resp)	10 3	–	–	–	10
Oil mist, mineral	–	5	–	5 STEL: 10	–	–	–	5
Calcium carbonate	(total) (resp)	15 5	(inhal) (resp)	10 3	(inhal) (resp)	10 4	–	10

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits.

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values.

<sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>4</sup> Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

**8.2. Exposure controls**

**8.2.1. Engineering measures**

No special requirements. If exposure limits are exceeded, provide adequate ventilation.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use an approved organic vapor respirator for mists.

**Protective gloves:** Chemical resistant gloves (e.g., rubber, nitrile).

**Eye and face protection:** Safety goggles or glasses.

**Other:** Impervious gloves and clothing as necessary for repetitive, prolonged contact with liquid.

**8.2.3. Environmental exposure controls**

Refer to sections 6 and 12.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	semi-solid	<b>Odour</b>	mild
<b>Colour</b>	silver-gray	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not applicable	<b>Vapour pressure @ 20°C</b>	< 0.01 mm Hg
<b>Melting point</b>	288°C (550°F)	<b>% Aromatics by weight</b>	0%
<b>% Volatile (by volume)</b>	negligible	<b>pH</b>	not applicable
<b>Flash point</b>	> 149°C (> 300°F)	<b>Relative density</b>	0.89 kg/l
<b>Method</b>	PM Closed Cup	<b>Weight per volume</b>	7.4 lbs/gal.
<b>Viscosity</b>	not determined	<b>Coefficient (water/oil)</b>	< 1
<b>Autoignition temperature</b>	not determined	<b>Vapour density (air=1)</b>	> 1
<b>Decomposition temperature</b>	no data available	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Upper/lower flammability or explosive limits</b>	not determined	<b>Solubility in water</b>	insoluble
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not determined
<b>Explosive properties</b>	not applicable		

**9.2. Other information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Refer to sections 10.3 and 10.5.

**10.2. Chemical stability**

Stable

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under conditions of normal use.

**10.4. Conditions to avoid**

Open flames and red hot surfaces.

**10.5. Incompatible materials**

Acids and strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide, Oxides of Sulfur and other toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Primary route of exposure under normal use:** Skin and eye contact.

**Acute effects:** Direct contact may cause mild eye and skin irritation.  
 LD50 oral > 5000 mg/kg, estimated  
 LD50 dermal > 2000 mg/kg, estimated  
 LC50 inhalation > 5 mg/l (mist, estimated)

**Chronic effects:** Prolonged or repeated skin contact may defat the skin and cause dermatitis.**Carcinogenicity:** As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or Regulation (EC) No 1272/2008.**Aspiration hazard:** Not classified as an aspiration toxicant.**Other information:** None known**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

**12.1. Toxicity**

Baseoil: practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/ErC50 &gt; 100 mg/l).

**12.2. Persistence and degradability**

Baseoil: inherently biodegradable, not readily biodegradable.

**12.3. Bioaccumulative potential**

Baseoil: log Kow > 5.3; has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

**12.4. Mobility in soil**

Semi-solid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Baseoil: expected to exhibit low mobility in soil.

**12.5. Results of PBT and vPvB assessment**

Not available

**12.6. Other adverse effects**

None known

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Incinerate absorbed material with a properly licensed facility. Check local, state and national/federal regulations and comply with the most stringent requirement. Unused product is not classified as a hazardous waste according to 2008/98/EC.

European List of Wastes code: 13 02 06

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE  
 TDG: NOT APPLICABLE  
 US DOT: NOT APPLICABLE

**14.2. UN proper shipping name**

ADR/RID/ADN/IMDG/ICAO: NON-HAZARDOUS, NON REGULATED  
 TDG: NON-HAZARDOUS, NON REGULATED  
 US DOT: NON-HAZARDOUS, NON REGULATED

**14.3. Transport hazard class(es)**

ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE  
 TDG: NOT APPLICABLE  
 US DOT: NOT APPLICABLE

**14.4. Packing group**

ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE  
 TDG: NOT APPLICABLE  
 US DOT: NOT APPLICABLE

**14.5. Environmental hazards**

NOT APPLICABLE

**14.6. Special precautions for user**

NOT APPLICABLE

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

NOT APPLICABLE

**14.8. Other information**

NOT APPLICABLE

**SECTION 15: REGULATORY INFORMATION**

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

**15.1.1. EU regulations**

Authorisations under Title VII: Not applicable

Restrictions under Title VIII: None

Other EU regulations: None

**15.1.2. National regulations**

**US EPA SARA TITLE III**

312 Hazards: 313 Chemicals:  
 Immediate None

**Hazardous Materials Identification System (HMIS)**

4 = Severe Hazard  
 3 = Serious Hazard  
 2 = Moderate Hazard  
 1 = Slight Hazard  
 0 = Minimal Hazard  
 \* = See Section 8

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	1
Personal Protection	*

**Other national regulations:** None

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE: Acute Toxicity Estimate  
 BCF: Bioconcentration Factor  
 CLP: Classification Labelling Packaging Regulation (1272/2008/EC)  
 ES: Exposure Standard  
 GHS: Globally Harmonized System  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Dangerous Goods  
 LC50: Lethal Concentration to 50 % of a test population  
 LD50: Lethal Dose to 50% of a test population  
 LOEL: Lowest Observed Effect Level  
 N/A: Not Applicable  
 NA: Not Available  
 NOAEL: No Observed Adverse Effect Level  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 PBT: Persistent, Bioaccumulative and Toxic substance  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 STOT: Specific Target Organ Toxicity  
 TDG: Transportation of Dangerous Goods (Canada)  
 US DOT: United States Department of Transportation  
 vPvB: very Persistent and very Bioaccumulative substance  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Information System  
 Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Key literature references and sources for data:** Commission de la santé et de la sécurité du travail (CSST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Substances Information System (HSIS)  
 National Institute of Technology and Evaluation (NITE)  
 Swedish Chemicals Agency (KEMI)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008:**

Classification	Classification procedure
Not applicable	Not applicable

**Relevant H-statements:** None

**Relevant R-phrases:** None

**Hazard pictogram names:** None

**Changes to the SDS in this revision:** Sections 2.1, 2.2, 3, 8.1, 9.1, 11, 12, 13, 16.

**Further information:** None

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.