

SAFETY DATA SHEET

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

Revision date: 6 August 2015 **Initial date of issue:** 5 July 2007 **SDS No.** 418-4

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

1.1. Product identifier

635 SXC Synthetic, Extreme Pressure, Corrosion Resistant Grease

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
E-mail (SDS questions): ProductMSDSs@chesterton.com
E-mail: 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

Eye Irrit. 2, H319
Skin Sens. 1B, H317

2.1.2. Classification according to WHMIS 1988

Not controlled

2.1.3. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

2.1.4. Additional information

For full text of H-statements: see SECTIONS 2.2 and 16.

2.2. Label elements

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

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements: P280 Wear protective gloves and eye/face protection.
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337/313 If eye irritation persists: Get medical advice/attention.
 P302/352 IF ON SKIN: Wash with plenty of soap and water.
 P333/313 If skin irritation or rash occurs: Get medical advice/attention.
 P362/364 Take off contaminated clothing and wash it before reuse.

Supplemental information: None

2.3. Other hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous Ingredients ¹	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	1-<10	68584-23-6 271-529-4	01-211949 2627-25	Skin Sens. 1B, H317
Sulfonic acids, petroleum, calcium salts	1-<10	61789-86-4 263-093-4	NA	Skin Sens. 1B, H317
Bis(nonylphenyl)amine	1-<10	36878-20-3 253-249-4	NA	Aquatic Chronic 4, H413
Calcium dodecylbenzenesulphonate	1-<3	26264-06-2 247-557-8	NA	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317

Other ingredients:

Calcium carbonate	10-20	1317-65-3 215-279-6	NA	Not classified**
Baseoil – unspecified*	3-15	64741-88-4 265-090-8	NA	Not classified**

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

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

**Substance with a workplace exposure limit.

¹ 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, 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 immediately.

Ingestion: Do not induce vomiting. Contact physician.

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

May cause eye irritation. May cause an allergic skin reaction.

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

Suitable extinguishing media: Carbon Dioxide, dry chemical, foam or water fog

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

Dense smoke.

5.3. Advice for firefighters

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

Flammability Classification: –

HAZCHEM Emergency Action Code: 3 **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. 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 ¹		ACGIH TLV ²		UK WEL ³		AUSTRALIA ES ⁴	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	–	–	–	–	–	–	–	–
Sulfonic acids, petroleum, calcium salts	–	–	–	–	–	–	–	–
Bis(nonylphenyl)amine	–	–	–	–	–	–	–	–
Calcium dodecylbenzenesulphonate	–	–	–	–	–	–	–	–
Calcium carbonate	(total)	15	(inhal)	10	(inhal)	10	–	10
	(resp)	5	(resp)	3	(resp)	4	–	–
Oil mist, mineral	–	5	–	5	–	–	–	5

¹ United States Occupational Health & Safety Administration permissible exposure limits.

² American Conference of Governmental Industrial Hygienists threshold limit values.

³ EH40 Workplace exposure limits, Health & Safety Executive

⁴ 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: Long sleeves, long pants and good personal hygiene to minimize skin contact.

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

Physical state	semi-solid	Odour	mild
Colour	green	Odour threshold	not determined
Initial boiling point	not applicable	Vapour pressure @ 20°C	< 0.0008 hPa (0.00 mm Hg)
Melting point	204°C (> 400°F)	% Aromatics by weight	0
% Volatile (by volume)	negligible	pH	not applicable
Flash point	> 180°C (> 356°F)	Relative density	1.0 kg/l
Method	PM Closed Cup	Weight per volume	8.3 lbs/gal.
Viscosity	not determined	Coefficient (water/oil)	< 1
Autoignition temperature	not determined	Vapour density (air=1)	> 1
Decomposition temperature	no data available	Rate of evaporation (ether=1)	< 1
Upper/lower flammability or explosive limits	not determined	Solubility in water	insoluble
Flammability (solid, gas)	not applicable	Oxidising properties	not determined
Explosive properties	not determined		

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 under normal conditions.

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

Strong acids/bases 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 toxicity -

Oral:

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rat, (OECD 401)	> 2000 mg/kg
Sulfonic acids, petroleum, calcium salts	LD50, rat, (OECD 401)	> 5000 mg/kg
Calcium carbonate	LD50, rat	6450 mg/kg
Bis(nonylphenyl)amine	LD50, rat	> 5000 mg/kg

Dermal:

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rabbit	> 2000 mg/kg (read-across)
Calcium dodecylbenzenesulphonate	LD50, rabbit	> 4199 mg/kg (read-across)
Sulfonic acids, petroleum, calcium salts	LD50, rabbit	> 4000 mg/kg

Inhalation:

Not classified due to lack of data.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rat, aerosol	> 1.9 mg/l (read-across)

Skin corrosion/irritation:

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Skin irritation, rabbit	Not irritating (read-across)
Calcium dodecylbenzenesulphonate	Skin irritation, rabbit	Irritating
Bis(nonylphenyl)amine	Skin irritation, rabbit	Not irritating

Serious eye damage/irritation:

May cause eye irritation.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Eye irritation, rabbit	Irritating (read-across)
Calcium dodecylbenzenesulphonate	Eye irritation, rabbit	Severe irritation (read-across)
Sulfonic acids, petroleum, calcium salts	Eye irritation, rabbit (OECD 405)	Irritating
Bis(nonylphenyl)amine	Eye irritation, rabbit	Not irritating

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Substance	Test	Result
Bis(nonylphenyl)amine	Skin sensitization, guinea pig	Not sensitizing

Germ cell mutagenicity:

Not classified due to lack of data. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, the classification criteria are not met.

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.

Reproductive toxicity:

Not classified due to lack of data.

STOT-single exposure:

Not classified due to lack of data. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, the classification criteria are not met.

STOT-repeated exposure:

Not classified due to lack of data. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, the classification criteria are not met.

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

Not determined. Calcium dodecylbenzenesulphonate: 96 h LC50 (fish) = 22 mg/l (OECD 203, read-across). Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: 96 h LC50 (fish) > 71 mg/l (OECD 203). Sulfonic acids, petroleum, calcium salts: 96 h LC50 (fish) > 10000 mg/l. Oil: practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/ErC50 > 100 mg/l.) Bis(nonylphenyl)amine: 96 h LC50 (fish) < 1000 mg/l.

12.2. Persistence and degradability

Oil: not readily biodegradable. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: not readily biodegradable (read-across). Calcium dodecylbenzenesulphonate: readily biodegradable. Sulfonic acids, petroleum, calcium salts: not readily biodegradable (8.6%).

12.3. Bioaccumulative potential

Oil: Calcium dodecylbenzenesulphonate: BCF = 104 (fish, 21 days). log Kow 3.9 – 6; has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

12.4. Mobility in soil

Solubility in water: negligible. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Oil: expected to exhibit low mobility in soil.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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. This product is classified as a hazardous waste according to 2008/98/EC.

European List of Wastes code: 13 02 05

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:**

Immediate

313 Chemicals:

None

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 RE: Specific Target Organ Toxicity, Repeated Exposure
 STOT SE: Specific Target Organ Toxicity, Single Exposure
 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.

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 [CLP] / GHS:

Classification	Classification procedure
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1B, H317	Calculation method

Relevant H-statements: H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H318: Causes serious eye damage.
 H319: Causes serious eye irritation.
 H413: May cause long lasting harmful effects to aquatic life.

Hazard pictogram names: Exclamation mark

Changes to the SDS in this revision: Sections 2.1, 2.2, 3,5.1,8.1,11,12.1, 15.1.2,16

Revision date: 6 August 2015

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.