

**SAFETY DATA SHEET**

in accordance with 1907/2006/EC (REACH, as amended by 830/2015/EC) and 29 CFR 1910.1200

**Revision date:** 3 December 2015      **Initial date of issue:** 12 July 2007      **SDS No.** 287-8

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

**1.1. Product identifier**

615 HTG #1

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

Multi-Purpose grease for heavy loads and high temperatures.

**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  
EU: Chesterton International GmbH, Am Lenzenfleck 23,  
D85737 Ismaning, Germany – Tel. +49-89-996-5460

**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**

D2B: Toxic materials causing other effects

**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 <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	1- < 5	68584-23-6 271-529-4	01-211949 2627-25	Skin Sens. 1B, H317
Calcium dodecylbenzenesulphonate	1- < 5	26264-06-2 247-557-8	NA	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1B, H317
Sulfonic acids, petroleum, calcium salts	1- < 5	61789-86-4 263-093-4	NA	Eye Irrit. 2, H319

Other ingredients:

Baseoil – unspecified*	60-70	64741-88-4 265-090-8	NA	Not classified**
------------------------	-------	-------------------------	----	------------------

Calcium carbonate	10-20	471-34-1 207-439-9	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.

<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, 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:** If person is conscious, wash out mouth with water and give plenty of water to drink. Contact physician.

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

Causes serious 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.

Date: 3 December 2015

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 <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>
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	–	–	–	–	–	–	–	–
Calcium dodecylbenzenesulphonate	–	–	–	–	–	–	–	–
Sulfonic acids, petroleum, calcium salts	–	–	–	–	–	–	–	–
Oil mist, mineral	–	5	–	5	–	–	–	5
Calcium carbonate	(total)	15	(inhal)	10	(inhal)	10	–	10
	(resp)	5	(resp)	3	(resp)	4		

<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. neoprene, 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**

<b>Physical state</b>	Semi-solid	<b>Odour</b>	mild odor
<b>Colour</b>	blue-green	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not applicable	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	0
<b>% Volatile (by volume)</b>	0%	<b>pH</b>	not applicable
<b>Flash point</b>	> 190°C (> 374°F)	<b>Relative density</b>	0.97 kg/l
<b>Method</b>	Open Cup	<b>Weight per volume</b>	7.99 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>	not applicable
<b>Decomposition temperature</b>	no data available	<b>Rate of evaporation (ether=1)</b>	not applicable
<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 applicable
<b>Explosive properties</b>	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:** ATE-mix > 5000 mg/kg.

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

**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

**Serious eye damage/irritation:**

Causes serious 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

**Respiratory or skin sensitisation:**

May cause an allergic skin reaction.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Patch-Test, human	Not sensitizing (read-across)

**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.)

### 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.

**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](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 [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.

**Hazard pictogram names:** Exclamation mark

**Changes to the SDS in this revision:** Sections 2.1, 2.2, 3, 4.1, 4.2, 11, 16.

**Revision date:** 3 December 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.