

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

Revision date: 4 June 2021

Date of previous issue: 13 September 2016

SDS No. 423-9

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

1.1. Product identifier

783 ACR

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

Eases assembly and disassembly of metal parts by protecting against galling, self-welding, corrosion, and galvanic attack. Do not use on oxygen systems.

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): ProductSDSs@chesterton.com
E-mail: customer.service@chesterton.com

Supplier:

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055

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)
NSW Poisons Information Centre (Australia): 13 11 26

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS

Skin sensitization, Category 1B, H317

2.1.2. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

2.1.3. Additional information

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

2.2. Label elements

Labeling according to 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS

Hazard pictograms:



Signal word:

Warning

Hazard statements:

H317

May cause an allergic skin reaction.

Precautionary statements:	P264	Wash skin thoroughly after handling.
	P272	Contaminated work clothing must not be allowed out of the workplace.
	P280	Wear protective gloves.
	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.
	P501	Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None

2.3. Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous Ingredients ¹	% Wt.	CAS No.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	<1 - 4	68584-23-6
Sulfonic acids, petroleum, calcium salts	<1 - 4	61789-86-4
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione	1 - 3	72676-55-2
Calcium dodecylbenzenesulphonate	<1 - 2	26264-06-2

Other ingredients:

Baseoil – unspecified*	45 - 60	64741-88-4
Talc	10 - 20	14807-96-6
Titanium dioxide	5 - 10	13463-67-7
Graphite	5 - 10	7782-42-5

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

¹ Classified according to: • 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F)
• WHMIS 2015, Safe Work Australia, GHS

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. Consult physician if irritation develops.

Eye contact: Flush eyes for at least 15 minutes with large amounts of water. Consult physician if irritation develops.

Ingestion: Not applicable

Protection of first-aiders: Avoid contact with the product while providing aid to the victim. See section 8.2.2 for recommendations on personal protective equipment.

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

May cause skin sensitization as evidenced by rashes or hives.

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

Treat symptoms.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical or foam

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

Dense smoke. Do not allow runoff from firefighting to enter drains or water courses.

5.3. Advice for firefighters

Recommend Firefighters wear self-contained breathing apparatus.

Australian HAZCHEM Emergency Action Code: 3 Z

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No special requirements.

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6.2. Environmental Precautions

Keep out of sewers, streams and waterways.

6.3. Methods and material for containment and cleaning up

Scoop up and transfer to 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 thoroughly after handling.

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		AUSTRALIA ES ³	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	N/A	N/A	N/A	N/A	N/A	N/A
Sulfonic acids, petroleum, calcium salts	N/A	N/A	N/A	N/A	N/A	N/A
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione	N/A	N/A	N/A	N/A	N/A	N/A
Calcium dodecylbenzenesulphonate	N/A	N/A	N/A	N/A	N/A	N/A
Oil mist, mineral	N/A	5	(inhal.)	5	N/A	5
Talc	20 mppcf	2	(resp.)	2	(resp.)	2.5
Titanium dioxide	N/A	15	N/A	10	N/A	10
Graphite	(total) (resp.)	15 5	(resp.)	2	(resp.)	3

¹ United States Occupational Health & Safety Administration permissible exposure limits² American Conference of Governmental Industrial Hygienists threshold limit values³ Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants**Biological limit values**

No biological exposure limits noted for the ingredient(s).

8.2. Exposure controls**8.2.1. Engineering measures**

No special requirements.

8.2.2. Individual protection measures**Respiratory protection:** Not normally needed.**Protective gloves:** Chemical resistant gloves (e.g. neoprene, nitrile).**Eye and face protection:** Safety goggles or glasses.**Other:** None**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 petroleum odor
Colour	gray	Odour threshold	not determined
Initial boiling point	not applicable	Vapour pressure @ 20°C	not determined
Melting point	not determined	% Aromatics by weight	0%
% Volatile (by volume)	negligible	pH	not applicable
Flash point	> 190°C (> 374°F)	Relative density	1.33 kg/l
Method	Open Cup	Weight per volume	11.1 lbs/gal.
Viscosity	1-3 million cps @ 25°C	Coefficient (water/oil)	< 1
Autoignition temperature	not determined	Vapour density (air=1)	> 1
Decomposition temperature	not determined	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

EPA 24: 0.59 lbs/gal

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

Strong acids/bases and strong oxidizers like liquid Chlorine and concentrated Oxygen.

10.6. Hazardous decomposition products

Aldehydes, Oxides of Sulfur and Nitrogen, Carbon Monoxide, Carbon Dioxide 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 > 5,000 mg/kg

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rat	> 5,000 mg/kg
Sulfonic acids, petroleum, calcium salts	LD50, rat	> 5,000 mg/kg
Calcium dodecylbenzenesulphonate	LD50, rat	4,000 mg/kg

Dermal: ATE-mix > 5,000 mg/kg

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rat	> 2,000 mg/kg
Sulfonic acids, petroleum, calcium salts	LD50, rabbit	> 4,000 mg/kg
Calcium dodecylbenzenesulphonate	LD50, rabbit	> 4,199 mg/kg (read-across)

Inhalation:

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

Skin corrosion/irritation:

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

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

Serious eye damage/irritation:

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

Substance	Test	Result
Calcium dodecylbenzenesulphonate	Eye irritation, rabbit	Serious eye damage/severe irritation (read-across)

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

Substance	Test	Result
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione	Skin sensitization, mouse	Sensitizing

Germ cell mutagenicity:

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

Carcinogenicity:

The International Agency for Research on Cancer (IARC) has designated inhaled titanium dioxide as possibly carcinogenic to humans (group 2B).

Reproductive toxicity:

3691,Sulfonic acids, petroleum, calcium salts, Calcium dodecylbenzenesulphonate: not expected to be reproductive toxicants. 5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione: effects on or via lactation - data lacking.

STOT – single exposure:

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

STOT – repeated exposure:

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

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	NOAEL, oral, 28 days, rat, male / female (OECD 407)	500 mg/kg (similar material)
5,5'-Dithiodi-1,3,4-thiadiazole-2(3H)-thione	Sub-acute NOAEL, oral, 14 days, rat	1,000 mg/kg
Calcium dodecylbenzenesulphonate	Sub-chronic NOAEL, oral, 6 months, rat, male / female (OECD 407)	115 mg/kg

Aspiration hazard:

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

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). Sulfonic acids, petroleum, calcium salts: 96 h LC50 (fish) > 10,000 mg/l. Mineral oil: practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/ErC50 > 100 mg/l.)

12.2. Persistence and degradability

Mineral oil: not readily biodegradable. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: not readily biodegradable (read-across). Calcium dodecylbenzenesulphonate: readily biodegradable (read-across). Sulfonic acids, petroleum, calcium salts: not readily biodegradable (8.6%, 28 days).

12.3. Bioaccumulative potential

Calcium dodecylbenzenesulphonate: BCF 104, 21 days, Bluegill sunfish. Mineral oil: bioconcentration in aquatic organisms is not expected to be significant.

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).

12.5. 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.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number or ID number**

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE

TDG: NOT APPLICABLE

US DOT: NOT APPLICABLE

14.2. UN proper shipping name

ADG/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)

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE

TDG: NOT APPLICABLE

US DOT: NOT APPLICABLE

14.4. Packing group

ADG/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. Maritime transport in bulk according to IMO instruments

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. National regulations****US EPA SARA TITLE III****312 Hazards:**

Skin sensitization

Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:

None

Other national regulations: None

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms: ADG: Australian Dangerous Goods Code
 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
 cATpE: Converted Acute Toxicity point Estimate
 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
 NOEC: No Observed Effect Concentration
 NOEL: No Observed Effect Level
 OECD: Organization for Economic Co-operation and Development
 (Q)SAR: Quantitative Structure-Activity Relationship
 REL: Recommended Exposure Limit
 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)
 TWA: Time Weighted Average
 US DOT: United States Department of Transportation
 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 des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)
 Chemical Classification and Information Database (CCID)
 European Chemicals Agency (ECHA) - Information on Chemicals
 Hazardous Chemical Information System (HCIS)
 National Institute of Technology and Evaluation (NITE)
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

Procedure used to derive the classification for mixtures according to GHS:

Classification	Classification procedure
Skin Sens. 1B, H317	Calculation method

Relevant H-statements: H317: May cause an allergic skin reaction.

Hazard pictogram names: Exclamation mark

Further information: None

Date of last revision: 4 June 2021

Changes to the SDS in this revision: Sections 1.3, 2.1, 2.2, 3, 4.1, 4.2, 8.1, 10.5, 11, 13, 15.1, 16.

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.