

Safety Data Sheet SDS259

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **Cafe Clean - Coffee Maker Cleaner**

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

Relevant identified use(s) • For cleaning/descaling home coffee brewing equipment.

1.3 Details of the supplier of the safety data sheet

Manufacturer • Purdy Products Company
1255 Karl Court
Wauconda, IL 60084
United States
www.purdyproducts.com
info@purdyproducts.com

Telephone (General) • (847) 526-5505

1.4 Emergency telephone number

Manufacturer • (800) 424-9300 - ChemTrec

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to: EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Skin Irritation 2 - H315
Eye Irritation 2 - H319

DSD/DPD • Irritant (Xi)
R36/38

2.2 Label Elements

CLP

WARNING



Hazard statements • H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements

Prevention • P264 - Wash thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P362 - Take off contaminated clothing and wash before reuse.

P321 - Specific treatment, see supplemental first aid information.
 P332+P313 - If skin irritation occurs: Get medical advice/attention.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.

DSD/DPD

- Risk phrases** ● R36/38 - Irritating to eyes and skin.
- Safety phrases** ● S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2.3 Other Hazards

- CLP** ● According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD** ● According to European Directive 1999/45/EC this material is considered dangerous.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012** ● Skin Irritation 2
 Eye Irritation 2

2.2 Label elements

OSHA HCS 2012

WARNING

- Hazard statements** ● Causes skin irritation
 Causes serious eye irritation

Precautionary statements

- Prevention** ● Wash thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.
- Response** ● If on skin: Wash with plenty of water .
 Take off contaminated clothing and wash before reuse.
 Specific treatment, see supplemental first aid information.
 If skin irritation occurs: Get medical advice/attention.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

- OSHA HCS 2012** ● Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

- WHMIS** ● Other Toxic Effects - D2B
 Corrosive - E

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B
Corrosive - E

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Sodium sulfate	CAS:7757-82-6 EC Number:231-820-9	< 50%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Proprietary	Proprietary	< 30%	Ingestion/Oral-Rat LD50 • 3120 mg/kg Skin-Rabbit LD50 • >4640 mg/kg	EU DSD/DPD: Xi, R38 EU CLP: Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Sodium carbonate (2:1)	CAS:497-19-8 EC Number:207-838-8 EU Index:011-005-00-2	< 24.95%	Ingestion/Oral-Rat LD50 • 4090 mg/kg Inhalation-Rat LC50 • 2300 mg/m ³ 2 Hour(s)	EU DSD/DPD: Annex VI, Table 3.2: Xi, R36 EU CLP: Annex VI, Table 3.1: Eye Irrit. 2, H319 OSHA HCS 2012: Eye Irrit. 2	NDA
Proprietary	Proprietary	< 2.6%	Ingestion/Oral-Rat LD50 • 7400 mg/kg	EU DSD/DPD: Xi; R41 EU CLP: Eye Dam. 1, H318 OSHA HCS 2012: Eye Dam. 1	NDA

See Section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if symptoms occur.

Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Take off contaminated clothing and wash before reuse. If irritation develops and persists, get medical attention.

Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

- Dilute by giving 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed**Notes to Physician**

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures**5.1 Extinguishing media**

Suitable Extinguishing Media • LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

Unsuitable Extinguishing Media • No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Some of these materials may burn, but none ignite readily.

Hazardous Combustion Products • Heated to decomposition it will emit fumes of sodium oxide.

5.3 Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Section 6 - Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions • Ventilate enclosed areas. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Emergency Procedures • ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stay upwind. Keep out of low areas. Keep unauthorized personnel away.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures • Stop leak if you can do it without risk. Avoid generating dust. Carefully shovel or sweep up spilled material and place in suitable container. Cover powder spill with plastic sheet or tarp to minimize spreading.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage**7.1 Precautions for safe handling**

Handling

- Use only with adequate ventilation. Use good safety and industrial hygiene practices. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

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

- Store in a cool, dry place. Store away from acids.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection**8.1 Control parameters****Exposure Limits/Guidelines**

- There are no applicable exposure limits available for the ingredients or material.

8.2 Exposure controls**Engineering Measures/Controls**

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment).

Personal Protective Equipment**Respiratory**

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties**9.1 Information on Physical and Chemical Properties**

Material Description			
Physical Form	Solid	Appearance/Description	White granular powder with no odor.
Color	White	Odor	Odorless
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	7850 C(14162 F)
Decomposition Temperature	Data lacking	pH	11 (1% solution)
Specific Gravity/Relative Density	= 1.1 Water=1	Density	1.1 g/mL
Water Solubility	Data lacking	Viscosity	Data lacking
Explosive Properties	Data lacking	Oxidizing Properties:	Data lacking
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking	VOC (Wt.)	0 %
VOC (Vol.)	0 %	Volatiles (Wt.)	0 %
Volatiles (Vol.)	0 %		
Flammability			

Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat. Incompatible materials.

10.5 Incompatible materials

- Aluminum powder, Acids, Fluorine, Molten Lithium.

10.6 Hazardous decomposition products

- Reacts with acids with release of carbon dioxide and heat.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Components		
Proprietary (< 30%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3120 mg/kg; Behavioral:Somnolence (general depressed activity); Behavioral:Coma; Skin-Rabbit LD50 • >4640 mg/kg; Behavioral:Somnolence (general depressed activity); Lungs, Thorax, or Respiration:Dyspnea; Irritation: Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation
Sodium sulfate (< 50%)	7757-82-6	Acute Toxicity: Ingestion/Oral-Mouse LD50 • 5989 mg/kg; Reproductive: Ingestion/Oral-Mouse TDLo • 14 g/kg (8-12D preg); Reproductive Effects:Effects on Newborn:Other neonatal measures or effects.; Tumorigen / Carcinogen: Subcutaneous-Mouse TDLo • 806 mg/kg 26 Week(s)-Intermittent; Tumorigenic:Equivocal tumorigenic agent by RTECS criteria; Skin and Appendages:Other:Tumors
Sodium carbonate (2:1) (< 24.95%)	497-19-8	Acute Toxicity: Ingestion/Oral-Rat LD50 • 4090 mg/kg; Inhalation-Rat LC50 • 2300 mg/m ³ 2 Hour(s); Lungs, Thorax, or Respiration:Dyspnea; Gastrointestinal:Other changes; Irritation: Eye-Rabbit • 50 mg • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Multi-dose Toxicity: Inhalation-Rat TCLo • 16.2 mg/m ³ 16 Week(s)-Intermittent; Sense Organs and Special Senses:Olfaction:Change in sensation of smell; Lungs, Thorax, or Respiration:Emphysema; Immunological Including Allergic:Decrease in cellular immune response
Proprietary (< 2.6%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 7400 mg/kg

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - Nuisance dust may affect the lungs but reactions are typically reversible.
- Chronic (Delayed)**
 - No data available.

Skin

- Acute (Immediate)**
 - Causes skin irritation.
- Chronic (Delayed)**
 - No data available.

Eye

- Acute (Immediate)**
 - Causes serious eye irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.
- Chronic (Delayed)**
 - No data available.

Ingestion

- Acute (Immediate)**
 - Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.
- Chronic (Delayed)**
 - No data available.

Key to abbreviations

LD = Lethal Dose
TC = Toxic Concentration
TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations**13.1 Waste treatment methods****Product waste**

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

Section 15 - Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****SARA Hazard Classifications**

- Acute

State Right To Know				
Component	CAS	MA	NJ	PA
Proprietary	Proprietary	Yes	No	Yes

Sodium carbonate (2:1)	497-19-8	No	No	No
Sodium sulfate	7757-82-6	Yes	No	Yes
Proprietary	Proprietary	Yes	No	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Proprietary	Proprietary	No	No	Yes	No	No
Sodium carbonate (2:1)	497-19-8	Yes	No	Yes	Yes	No
Sodium sulfate	7757-82-6	Yes	No	Yes	Yes	No
Proprietary	Proprietary	Yes	No	Yes	Yes	No
Inventory (Con't.)						
Component	CAS	Japan ENCS	Korea KECL	TSCA		
Proprietary	Proprietary	No	No	No		
Sodium carbonate (2:1)	497-19-8	Yes	Yes	Yes		
Sodium sulfate	7757-82-6	Yes	Yes	Yes		
Proprietary	Proprietary	Yes	Yes	Yes		

Australia

Labor

Australia - Work Health and Safety Regulations - Hazardous Substances Requiring Health Monitoring

• Proprietary	Proprietary	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• Proprietary	Proprietary	Not Listed

Australia - High Volume Industrial Chemicals List

• Proprietary	Proprietary	
• Sodium sulfate	7757-82-6	
• Sodium carbonate (2:1)	497-19-8	
• Proprietary	Proprietary	Not Listed

Australia - List of Designated Hazardous Substances - Classification

• Proprietary	Proprietary	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Xi R36 (listed under Sodium carbonate)
• Proprietary	Proprietary	Not Listed

Environment

Australia - National Pollutant Inventory (NPI) Substance List

• Proprietary	Proprietary	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• Proprietary	Proprietary	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

• Proprietary	Proprietary	Not Listed
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• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Australia - Priority Existing Chemical Program

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Canada**Labor****Canada - WHMIS - Classifications of Substances**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Uncontrolled product according to WHMIS classification criteria
• Sodium carbonate (2:1)	497-19-8	D2B, E
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	1 %
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Europe**Other****EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Xi; R36
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Xi R:36 S:(2)-22-26
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	S:(2)-22-26
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

- Proprietary

Proprietary

Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Proprietary	Proprietary	
• Sodium sulfate	7757-82-6	(solution)
• Sodium carbonate (2:1)	497-19-8	Not Listed
• Proprietary	Proprietary	

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Proprietary	Proprietary	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed
• Proprietary	Proprietary	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H318 - Causes serious eye damage
R36 - Irritating to eyes.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.

Last Revision Date

- 19/May/2015

Preparation Date

- 01/January/2009

Disclaimer/Statement of Liability

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Key to abbreviations

NDA = No Data Available