

Safety Data Sheet

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

1.1 Product identifier

- Product Name** • Urn Clean™
- Synonyms** • All purpose commercial brewing equipment cleaner

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

- Relevant identified use(s)** • Cleaner for commercial coffee and tea 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

- ChemTrec (24 hour)** (800) 424-9300

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** ● Corrosive - E

2.2 Label elements

WHMIS



- 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	< 40%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Proprietary	Proprietary	< 35%	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	< 34.93%	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
Silicic acid (H ₂ SiO ₃), disodium salt	CAS:6834-92-0 EC Number:229-912-9 EU Index:014-010-00-8	< 2.9%	Ingestion/Oral-Rat LD50 • >1000 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: C, R34; Xi, R37 EU CLP: Annex VI, Table 3.1: Skin Corr. 1B, H314; STOT SE 3: Resp. Irrit., H335 OSHA HCS 2012: Skin Corr. 1C; STOT SE 3: Resp. Irrit.; Acute Tox. 4 (orl)	NDA
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	CAS:15630-89-4 EINECS:239-707-6	< 2.9%	Ingestion/Oral-Rat LD50 • 2400 mg/kg	EU DSD/DPD: O; R8; Xi; R36 EU CLP: Ox. Sol. 2, H272; Eye Irrit. 2, H319 OSHA HCS 2012: Ox. Sol. 2; Eye Irrit. 2	NDA
Dodecylbenzenesulfonic acid, sodium salt	CAS:25155-30-0 EC Number:246-	< 1%	Ingestion/Oral-Rat LD50 • 438 mg/kg	EU DSD/DPD: Xn; R22; Xi; R36/38 EU CLP: Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H302 OSHA HCS 2012: Skin Irrit. 2; Eye	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 FIRES: Water spray or fog.

Unsuitable Extinguishing Media ● No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards ● Decomposition of Sodium Perborate liberates heat and oxygen which may intensify fire in combustible surroundings.

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	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Soluble 100 %
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		

Volatility

Vapor Pressure	Data lacking	Vapor Density	1 to 1.2 Air=1
Evaporation Rate	Data lacking	VOC (Wt.)	0 %
VOC (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		
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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		
Silicic acid (H ₂ SiO ₃), disodium salt (< 2.9%)	6834-92-0	Acute Toxicity: Ingestion/Oral-Rat LD50 • 1153 mg/kg; <i>Gastrointestinal:Ulceration or bleeding from stomach; Gastrointestinal:Ulceration or bleeding from dlodenum; Gastrointestinal:Ulceration or bleeding from small intestine;</i> Irritation: Skin-Human • 250 mg 24 Hour(s) • Severe irritation
		Acute Toxicity: Ingestion/Oral-Rat LD50 • 4090 mg/kg; Inhalation-Rat LC50 • 2300 mg/m ³ 2 Hour (s); <i>Lungs, Thorax, or Respiration:Dyspnea; Gastrointestinal:Other changes;</i>

Sodium carbonate (2:1) (< 34.93%)	497-19-8	Irritation: Eye-Rabbit • 50 mg • Severe irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Multi-dose Toxicity: Inhalation-Rat TLo • 16.2 mg/m ³ 16 Week(s)-Intermittent; <i>Sense Organs and Special Senses:</i> Olfaction: Change in sensation of smell ; <i>Lungs, Thorax, or Respiration:</i> Emphysema ; <i>Immunological Including Allergic:</i> Decrease in cellular immune response
Sodium sulfate (< 40%)	7757-82-6	Acute Toxicity: Ingestion/Oral-Mouse LD50 • 5989 mg/kg; Reproductive: Ingestion/Oral-Mouse TDLo • 14 g/kg (8-12D preg); <i>Reproductive Effects:</i> Effects on Newborn: Other neonatal measures or effects. ; Tumorigen / Carcinogen: Subcutaneous-Mouse TDLo • 806 mg/kg 26 Week(s)-Intermittent; <i>Tumorigenic:</i> Equivocal tumorigenic agent by RTECS criteria ; <i>Skin and Appendages:</i> Other: Tumors
Proprietary (< 35%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 • 3120 mg/kg; <i>Behavioral:</i> Somnolence (general depressed activity) ; <i>Behavioral:</i> Coma ; Skin-Rabbit LD50 • >4640 mg/kg; <i>Behavioral:</i> Somnolence (general depressed activity) ; <i>Lungs, Thorax, or Respiration:</i> Dyspnea ; Irritation: Skin-Rabbit • 500 mg 24 Hour(s) • Moderate irritation
Dodecylbenzenesulfonic acid, sodium salt (< 1%)	25155-30-0	Acute Toxicity: Ingestion/Oral-Rat LD50 • 438 mg/kg; <i>Sense Organs and Special Senses:</i> Eye: Lacrimation ; <i>Behavioral:</i> Somnolence (general depressed activity) ; <i>Gastrointestinal:</i> Hypermotility, diarrhea ; Irritation: Eye-Rabbit • 250 µg 24 Hour(s) • Severe irritation; Skin-Rabbit • 20 mg 24 Hour(s) • Moderate irritation; Multi-dose Toxicity: Ingestion/Oral-Mouse TDLo • 5 g/kg 30 Day(s)-Intermittent; <i>Related to Chronic Data:</i> Death in the Other Multiple Dose data type field
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3) (< 2.9%)	15630-89-4	Acute Toxicity: Eye-Rabbit TDLo • 25 mg/kg; <i>Sense Organs and Special Senses:</i> Eye: Conjunctive irritation ; <i>Sense Organs and Special Senses:</i> Eye: Corneal damage ; <i>Sense Organs and Special Senses:</i> Eye: Other ; Ingestion/Oral-Rat LD50 • 2400 mg/kg; <i>Behavioral:</i> Somnolence (general depressed activity) ; <i>Lungs, Thorax, or Respiration:</i> Dyspnea

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
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	No	No	No
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Yes	Yes	Yes
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	No	No	No
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
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Yes	No	Yes	Yes	No
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Yes	No	Yes	Yes	No
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Yes	No	Yes	Yes	No

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

Inventory (Con't.)

Component	CAS	Japan ENCS	Korea KECL	TSCA
Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Yes	Yes	Yes
Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Yes	Yes	Yes
Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Yes	Yes	Yes
Sodium carbonate (2:1)	497-19-8	Yes	Yes	Yes
Sodium sulfate	7757-82-6	Yes	Yes	Yes
<i>Proprietary</i>	<i>Proprietary</i>	Yes	Yes	Yes

Australia

Labor

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

Australia - High Volume Industrial Chemicals List

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	
• Sodium carbonate (2:1)	497-19-8	

Australia - List of Designated Hazardous Substances - Classification

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Xn R22
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	C, Xi R34, R37
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Xi R36 (listed under Sodium carbonate)

Environment

Australia - National Pollutant Inventory (NPI) Substance List

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed

• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

Australia - Ozone Protection Act - Scheduled Substances

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

Australia - Priority Existing Chemical Program

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	D2B
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	E
• Sodium sulfate	7757-82-6	Uncontrolled product according to WHMIS classification criteria
• Sodium carbonate (2:1)	497-19-8	D2B, E

Canada - WHMIS - Ingredient Disclosure List

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	1 %
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	1 %
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	1 %

Environment**Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting**

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

Canada - CEPA - Priority Substances List

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed

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

Europe

Other

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	C; R34 Xi; R37
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Xi; R36

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	C R:34-37 S:(1/2)-13-24/25-36/37/39-45
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Xi R:36 S:(2)-22-26

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	S:(1/2)-13-24/25-36/37/39-45
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	S:(2)-22-26

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed

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

U.S. - OSHA - Specifically Regulated Chemicals

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	1000 lb final RQ; 454 kg final RQ
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

U.S. - EPA - Designated Generic Categories - Warfarin and Salts

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed

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

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	
• <i>Proprietary</i>	<i>Proprietary</i>	
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	(solution)
• Sodium carbonate (2:1)	497-19-8	Not Listed

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

• Dodecylbenzenesulfonic acid, sodium salt	25155-30-0	Not Listed
• <i>Proprietary</i>	<i>Proprietary</i>	Not Listed
• Carbonic acid, disodium salt, compd. with hydrogen peroxide (2:3)	15630-89-4	Not Listed
• Silicic acid (H ₂ SiO ₃), disodium salt	6834-92-0	Not Listed
• Sodium sulfate	7757-82-6	Not Listed
• Sodium carbonate (2:1)	497-19-8	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Relevant Phrases (code & full text)**

- H272 - May intensify fire; oxidizer
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage.
- H335 - May cause respiratory irritation
- R8 - Contact with combustible material may cause fire.
- R22 - Harmful if swallowed.
- R34 - Causes burns.
- R36 - Irritating to eyes.
- R37 - Irritating to respiratory system.
- R38 - Irritating to skin.

Last Revision Date

- 04/June/2015

Preparation Date

- 01/January/2014

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Key to abbreviations

NDA = No Data Available