

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture, mixture
 Product name. : Liquid Scrub Galley Drain Cleaner
 Product group : Trade product
 Product code : LB-5000/C
 Part number : LS-5000 series

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Cleaning/washing agent

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

Celeste Industries Corporation
 8221 Teal Drive, suite 405
 Easton, Maryland 21601 (USA)
 Within USA: (410) 822-5775
 International: 00 (1) 410-822-5775
 e-mail: info@celestecorp.com

1.4. Emergency telephone number

Emergency contact number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300
 Outside USA and Canada (collect call accepted): 1-703-527-3883

SECTION 2: Hazards identification

2.1. Classification of the mixture

Classification according to CLP Regulation (EC) No 1272/2008

Skin Irrit.2, H315
 Eye Irrit. 2, H319

Full text of H-phrases: see section 16.

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictogram :



Signal Word : Warning

Hazard Statement : H319 – Causes serious eye irritation
 : H315 – Causes skin irritation

Precaution Statement : P280 – Wear protective gloves/protective clothing/eye protection/face protection.
 : P302 + P350 – IF ON SKIN: Gently wash with plenty of soap and water
 : P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

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2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.
This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	%	Product identifier	Classification according to CLP Regulation (EC) No 1272/2008
Hydrogen peroxide	< 2	(CAS No.) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9	Eye Irrit. 2, H319 Skin Irrit. 2, H315
Sodium dodecyl diphenyl ether sulfonate	< 2	(CAS No.) 119345-04-9 (EC no) 601-601-6	Eye Irrit. 2, H319 Skin Irrit. 2, H315
1-octyl-2-pyrrolidone	< 1	(CAS No.) 2687-94-7 (EC no) 403-700-8 (EC index no) 613-098-00-0	Skin Corr. 1B, H314 Aquatic Chronic 2, H411

Full text of phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air. In case of breathing difficulties administer oxygen. If breathing stops, give artificial respiration. Seek immediate medical attention if individual is severely overcome by overexposure to vapors. (Overexposure is most likely to occur dealing with large quantities in an enclosed space with inadequate ventilation).

First-aid measures after skin contact : When symptoms occur: rinse immediately with plenty of water.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek immediate medical advice.

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

Symptoms/injuries after skin contact : Intended for hand use without causing irritation but if contacts other skin areas that may become irritated.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: : Dry chemical powder, water spray, alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None known
Reactivity : None known

5.3. Advice for firefighters

Protective equipment for firefighters : Extra personal protection: complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing gloves, and eye/face protection.
Emergency procedures : Eliminate all ignition sources if safe to do so. Ventilate affected area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.
Emergency procedures : Eliminate ignition sources. Ventilate affected area. Avoid contact with skin and eyes.

6.2. Environmental precautions

No additional information available

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Rinse using water. Dispose in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage condition(s) : Store in dry, cool, well-ventilated area. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Use explosion-proof ventilating equipment. Provide local exhaust or general room ventilation to minimize vapour concentrations.

Personal protective equipment : Protective goggles. Gloves.



Hand protection : Chemical resistant gloves

Eye protection : Wear chemical splash goggle.

Skin and body protection : Use plastic or rubber apron to protect clothing, if needed.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Clear

Odour : No data available

Odour threshold : No data available

pH : 8.0 – 8.5

Melting point : No data available

Solidification point : No data available

Boiling point : No data available

Flash point : > 93.3 °C

Relative evaporation rate (butylacetate=1) : Not applicable.

Flammability (solid, gas) : No data available

Explosive limits : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 1.027 g/mL

Solubility : Soluble in water

Log Pow : No data available

Log Kow : No data available

Self ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, kinematic : No data available

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Viscosity, dynamic	: No data available
Explosive properties	: Not considered explosive as the component hydrogen peroxide is present at concentration < 5%
Oxidising properties	: Not considered oxidizing as the component hydrogen peroxide present at concentration < 5%.

9.2. Other information

VOC content	: 0 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sodium dodecyl diphenyl ether sulfonate (119345-04-9)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Hydrogen peroxide (7722-84-1)

ATE (oral)	500 mg/kg
ATE (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation pH: 8.0 - 9.0
Serious eye damage/irritation	: Causes eye irritation pH: 8.0 – 9.0
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified (No classification for mutagenicity as none of the components is classified for mutagenicity)
Carcinogenicity	: Not classified (No classification for carcinogenicity as none of the components is classified for carcinogenicity)
Reproductive toxicity	: Not classified (No classification for reproduction as none of the components is toxic for reproduction)
Specific target organ toxicity (single exposure)	: Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity single exposure)
Specific target organ toxicity (repeated exposure)	: Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity repeated exposure)
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Sodium dodecyl diphenyl ether sulfonate (119345-04-9)

EC50 Daphnia	3.63 mg/l 48 hours
LC50 Rainbow Trout	6.2 mg/l, 96 hours
NOEC (chronic)	1.08 mg/l, 7 days- daphnia

Hydrogen peroxide (7722-84-1)

LC50 fishes	16.4 mg/l 96 hours
EC50 Daphnia	2.4 ml/l 48 hours

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Hydrogen peroxide (7722-84-1)

LOEC (chronic)	1.25 mg/l 21 days- daphnia
NOEC (chronic)	0.63 mg/l 21 days- daphnia
ErC50 (algae)	1.38 mg/l 72 hours

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Liquid Scrub

This substance/mixture does not meet the PBT criteria of REACH, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of contents/container to comply with applicable local, national and international regulations.

Waste disposal recommendations : Comply with applicable local, national and international regulation.

SECTION 14: Transport information

Not a dangerous good in sense of transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH candidate substance

VOC content : 0 %

Other regulations, restrictions and prohibition regulations : Conforms to Regulation (EC) No. 1907/2006, Annex II (REACH), as amended by (EU) No. 453/2010.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

CSA has not been established

SECTION 16: Other information

Sources of Key data : SDS, ECHA

Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EC - European Community. EEC - European Economic Community. GHS - Globally Harmonised System. HCS - Hazard Communication Standard. HMIS - Hazardous Materials Identification System. MSDS - Material Safety Data Sheet. OSHA - Occupational Safety and Health Administration. Overland transport (ADR). PEL- Permissible Exposure. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average.

Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Skin Irrit. 2	Skin irritation, Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects