

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

1.1. Product identifier

Product form : Mixture
Product name : Liquid Scrub Galley Drain Cleaner
Product group : Trade product
Product code : LB-5000/A
Part number : LS-5000/A

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 substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

C; R34

Full text of R-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]

Symbol and Nature of Warning / Danger :



Corrosive

Signal Word : Warning

R-phrases : R34 – Corrosive to skin, causes burns.

S-phrases : S24 - Avoid contact with skin.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 - After contact with skin, wash immediately with plenty of 1% sodium bicarbonate solution S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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.

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according to Regulation (EC) No. 453/2010

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Glycolic Acid	(CAS No.) 79-14-1 (EC no) 201-180-5	< 3	Xn; R20 C; R34
Hydrogen peroxide	(CAS No.) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9	< 2	R5 O; R8 C; R35 Xn; R20/22
Sodium xylene sulfonate	(CAS No.) 1300-72-7 (EC no) 215-090-9	< 2	Xi; R36
1-octyl-2-pyrrolidone	(CAS No.) 2687-94-7 (EC no) 403-700-8 (EC index no) 613-098-00-0	< 1	C; R34 N; R51/53

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Glycolic Acid	(CAS No.) 79-14-1 (EC no) 201-180-5	< 3	Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4 (Inhalation:dust,mist), H332
Hydrogen peroxide	(CAS No.) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9	< 2	Ox. Liq. 1, H271 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Sodium xylene sulfonate	(CAS No.) 1300-72-7 (EC no) 215-090-9	< 2	Eye Irrit. 2, H319
1-octyl-2-pyrrolidone	(CAS No.) 2687-94-7 (EC no) 403-700-8 (EC index no) 613-098-00-0	< 1	Skin Corr. 1B, H314 Aquatic Chronic 2, H411

Full text of R-, H- and EUH-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

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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

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 : In case of repeated or prolonged contact wear 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 : 9.5 - 10.5
Melting point : No data available
Solidification point : No data available

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according to Regulation (EC) No. 453/2010

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
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 %

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 xylene sulfonate (1300-72-7)	
LD50 oral rat	7200 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE (oral)	7200 mg/kg

Glycolic Acid (79-14-1)	
LD50 oral rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 3.6 mg/l/4h

Hydrogen peroxide (7722-84-1)	
ATE (oral)	500 mg/kg
ATE (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns and eye damage. Classified as the concentration of the components classified as skin corrosive are present a concentration > cut off limit according to the Directive 1999/45/EC pH: 9.5 - 10.5
Serious eye damage/irritation	: Not classified as concentration < cut off limit according to Directive 1999/45/EC. pH: 9.5 - 10.5
Respiratory or skin sensitisation	: Not classified

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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 xylene sulfonate (1300-72-7)	
EC50 Daphnia	> 1020 mg/l 48 hours
NOEC (acute)	470 48 hours- daphnia

Hydrogen peroxide (7722-84-1)	
LC50 fishes	16.4 mg/l 96 hours
EC50 Daphnia	2.4 ml/l 48 hours
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 : Compliance with following regulations: Directive 67/548/EEC as amended. Directive 1999/45/EC as amended.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

CSA has not been established

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SECTION 16: Other information

Sources of Key data : MSDS.
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.

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

Skin Corr. 1B H314
Eye Dam. 1 H318

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Ox. Liq. 1	Oxidising liquids Category 1
Skin Corr. 1A	skin corrosion/irritation Category 1A
Skin Corr. 1B	skin corrosion/irritation Category 1B
H271	May cause fire or explosion; strong oxidizer
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H411	Toxic to aquatic life with long lasting effects
R20	Harmful by inhalation.
R20/22	Harmful by inhalation and if swallowed
R34	Causes burns
R35	Causes severe burns.
R36	Irritating to eyes
R5	Heating may cause an explosion
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R8	Contact with combustible material may cause fire

SDS EU (REACH Annex II)

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