

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

1.1. Product identifier

Product form : Mixture
Product name. : Sani-Tank Cleaner
Product group : Trade product
Product code : LB-8000 & LB-8000SC
Part number : SP-8000 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 : Soaking and cleaning agent for waste tanks & toilets

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

Not classified as hazardous

Adverse physicochemical, human health and environmental effects

Not classified as dangerous for use/supply

2.2. Label elements

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

No marking required as components are not in sufficient quantity

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 Directive 67/548/EEC
Sodium xylene sulfonate	(CAS No.) 1300-72-7 (EC no) 215-090-9	1 - 2	Xi; R36
Sodium metasilicate	(CAS No.) 6834-92-0 (EC no) 229-912-9 (EC index no) 014-010-00-8	2	C; R34 Xi; R37
Alcohols, C12-15, ethoxylated	(CAS No.) 68131-39-5 (EC no) 500-195-7	< 1	Xi; R41 N; R50
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium xylene sulfonate	(CAS No.) 1300-72-7 (EC no) 215-090-9	1 - 2	Eye Irrit. 2, H319

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according to Regulation (EC) No. 453/2010

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium metasilicate	(CAS No.) 6834-92-0 (EC no) 229-912-9 (EC index no) 014-010-00-8	2	Skin Corr. 1B, H314 STOT SE 3, H335 Eye Dam. 1, H318 Met. Corr. 1, H290
Alcohols, C12-15, ethoxylated	(CAS No.) 68131-39-5 (EC no) 500-195-7	< 1	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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 : If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.
- First-aid measures after skin contact : If splashed or spilled on skin, rinse with plenty of water.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
- First-aid measures after ingestion : Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting.

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

- Symptoms/injuries after inhalation : Inhalation of mist or aerosol may cause irritation to nose and throat
- Symptoms/injuries after skin contact : May cause irritation or drying of skin.
- Symptoms/injuries after eye contact : May cause irritation to the eyes.
- Symptoms/injuries after ingestion : May cause irritation to the respiratory tract and to other mucous membranes.

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: : Carbon dioxide (CO₂), dry chemical powder, water spray.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Non combustible.
- Reactivity : Stable under normal conditions of use.

5.3. Advice for firefighters

- Protective equipment for firefighters : Wear proper protective equipment including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

- Protective equipment : Chemical resistant gloves. Use splash goggles to prevent eye contact as needed.

6.1.2. For emergency responders

- Protective equipment : Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.

6.2. Environmental precautions

No special requirements

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, dike with dirt, then remove by vacuum truck for disposal.

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 contact with skin and eyes.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

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according to Regulation (EC) No. 453/2010

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: : Provide adequate ventilation.
Storage condition(s) : Store in dry, cool, well-ventilated area; avoid freezing.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.
Personal protective equipment : Protective gloves and goggles recommended during cleaning.



Hand protection : Chemical resistant gloves.
Eye protection : Wear protective eye ware.
Skin and body protection : Plastic apron to protect clothing. Wear suitable protective clothing.
Respiratory protection : Normally not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Transparent
Colour : Colorless to light amber
Odour : Mild pine odor
Odour threshold : No data available
pH : 11.5
Melting point : No data available
Solidification point : No data available
Boiling point : 87.7 °C
Flash point : None
Relative evaporation rate (butylacetate=1) : < 1 slow
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 : 1.038 g/cm³ at 23 °C
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 : No data available
Oxidising properties : No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None known.

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10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Sodium metasilicate (6834-92-0)	
LD50 oral rat	600 mg/kg
Sodium xylene sulfonate (1300-72-7)	
LD50 oral rat	7200 mg/kg
ATE (oral)	7200 mg/kg

Skin corrosion/irritation	: Causes skin irritation pH: 11.5
Serious eye damage/irritation	: Causes serious eye irritation pH: 11.5
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 metasilicate (6834-92-0)	
LC50 fishes	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
EC50 Daphnia	216 mg/l (Exposure time: 96 h - Species: Daphnia magna)
LC50 fishes	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)

12.2. Persistence and degradability

Sani-Tank Cleaner	
Persistence and degradability	Readily biodegradable.

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

Gly-Vak	
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 local regulations for disposal.

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SECTION 14: Transport information

Not classified as dangerous for transport.

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

Other regulations, restrictions and prohibition regulations : Compliance with following regulations: Regulation (EC) 1907/2006 as amended. Regulation (EC) 1272/2008 as amended. Directive 1999/45/EC as amended. Directive 67/548/EEC as amended.

15.1.2. National regulations

No data available

15.2. Chemical safety assessment

CSA has not been established

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. EEC - European Economic Community. EC - European Community. GHS - Globally Harmonised System. HMIS - Hazardous Materials Identification System. MSDS - Material Safety Data Sheet. OSHA - Occupational Safety and Health Administration. Overland transport (ADR). PEL- Permissible Exposure Level. 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]:

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Aquatic Chronic 3	H412

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

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Met. Corr. 1	Corrosive to metals Category 1
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitisation Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapour
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R34	Causes burns
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50	Very toxic to aquatic organisms

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