

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

1.1. Product identifier

Product form : Liquid, mixture
Product name. : Celeste Heavy Duty Cleaner
Product group : Trade product
Product code : LB-86000C
Part number : SP-86000C/HD 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 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

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

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

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

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Symptoms/injuries after skin contact	:	Repeated or prolonged direct 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:	:	Water spray, foam, dry powder or CO ₂ .
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 as needed. 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.

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	:	Not normally required for general cleaning and/or use. For prolonged use to minimize contact - Chemical resistant gloves; protective eye wear.



Hand protection	:	Chemical resistant gloves.
Eye protection	:	Wear protective eye ware.
Skin and body protection	:	Plastic apron to protect clothing. Wear suitable protective clothing.

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Respiratory protection : Normally not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Mixture
Appearance : Transparent liquid
Colour : Amber, light yellow
Odour : No data available
Odour threshold : No data available
pH : 10.5 – 11.5
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : 32 F
Boiling point : No data available
Flash point : None
Self ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : 0.95 - 1.05
Solubility : Miscible in water
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : Not explosive
Oxidising properties : Not oxidizing
Explosive limits : 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.

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

Serious eye damage/irritation : Causes eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Aspiration hazard : Not classified

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 12: Ecological information

12.1. Toxicity

No significant harmful effects anticipated.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Not expected to bio accumulate

12.4. Mobility in soil

The product is predicted to have high mobility in soil.

12.5. Results of PBT and vPvB assessment

No additional information available

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.

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.

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

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
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 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
Flam. Liq. 3	flammable liquids Category 3
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
H302	Harmful if swallowed
H312	Harmful in contact with skin

Safety Data Sheet

according to Regulation (EC) No. 453/2010

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
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R34	Causes burns
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52	Harmful to aquatic organisms
C	Corrosive
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Celeste Industries Corporation assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.