

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

1.1. Product identifier

Product form : Mixture
Product name : Dry Elite Dry Wash & Polish
Product group : Trade product
Product code : LB-86000D3
Part number : SP-86000D 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

Xi; R36

Xi; R38

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No data available

2.2. Label elements

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

Symbol and Nature of Warning / Danger. :



Irritant

Signal Word : Warning

R-phrases : R36: Irritating to eyes
R38: Irritating to skin

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

Extra phrases : Contains (R)-p-mentha-1,8-diene(5989-27-5). May produce an allergic reaction.

2.3. Other hazards

May cause skin irritation through prolonged direct contact.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Full text of R-, H- and EUH-phrases: see section 16

Safety Data Sheet

according to Regulation (EC) No. 453/2010

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|----------------------------------------------------|------------------------------------------------------------------------|-------|--------------------------------------------------|
| (R)-p-mentha-1,8-diene | (CAS No.) 5989-27-5 (EC no) 227-813-5 (EC index no) 601-029-00-7 | ≤2.0 | R10 Xi; R36 Xi; R38 R43 |
| 4-chloro- α,α,α -trifluorotoluene | (CAS No.) 98-56-6 (EC no) 202-681-1 | ≤3.0 | R10 R36/37/38 R52 |
| 1-octyl-2-pyrrolidone | (CAS No.) 2687-94-7 (EC no) 403-700-8 (EC index no) 613-098-00-0 | <0.1 | C; R34 N; R51/53 |
| Morpholine | (CAS No.) 110-91-8 (EC no) 203-815-1 (EC index no) 613-028-00-9 | < 0.5 | R10 Xn; R20/21/22 C; R34 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------------------------------------------|------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------|
| (R)-p-mentha-1,8-diene | (CAS No.) 5989-27-5 (EC no) 227-813-5 (EC index no) 601-029-00-7 | ≤2.0 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| 4-chloro- α,α,α -trifluorotoluene | (CAS No.) 98-56-6 (EC no) 202-681-1 | ≤3.0 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 |
| 1-octyl-2-pyrrolidone | (CAS No.) 2687-94-7 (EC no) 403-700-8 (EC index no) 613-098-00-0 | < 0.1 | Skin Corr. 1B, H314 Aquatic Chronic 2, H411 |
| Morpholine | (CAS No.) 110-91-8 (EC no) 203-815-1 (EC index no) 613-028-00-9 | < 0.5 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 |

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 skin contact : Intended for hand use without causing irritation but if contacts other skin areas that may become irritated.
- Symptoms/injuries after eye contact : May cause irritation to the eyes.
- Symptoms/injuries after ingestion : Ingestion may cause immediate pain and severe burns of the 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: : Use extinguishing media appropriate for surrounding fire.
- 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. Extra personal protection: complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Chemical resistant gloves. Use splash goggles when eye contact if splashing is possible.
- Emergency procedures : Avoid contact with skin and eyes.

Safety Data Sheet

according to Regulation (EC) No. 453/2010

6.1.2. For emergency responders

Protective equipment : Chemical resistant gloves. Use splash goggles when eye contact if splashing is possible.
Emergency procedures : Avoid contact with skin and eyes.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

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.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.
Personal protective equipment : Chemical resistant gloves. Protective goggles.



Hand protection : Chemical resistant gloves.
Eye protection : Wear chemical splash goggle.
Skin and body protection : Protective apron. protective clothing. Wear suitable protective clothing.
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Slightly viscous liquid
Colour : Milky white
Odour : No data available
Odour threshold : No data available
pH : 7 - 8
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : 0 °C (32 °F) – Do not freeze, store above freezing point.
Boiling point : No data available
Flash point : > 150 °C
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 : No data available
Log Pow : No data available
Log Kow : No data available

Safety Data Sheet

according to Regulation (EC) No. 453/2010

| | |
|----------------------|------------------------------------------------------------------------------------|
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : Not explosive as none of the components is classified as explosive or oxidizing. |
| Oxidising properties | : None of the components is classified for oxidizing properties. |
| 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

Acute toxicity : Not classified

| Adhesive & Gum Remover, LS-4500 series | |
|----------------------------------------|--------------|
| LD50 oral rat | > 2000 mg/kg |
| (R)-p-mentha-1,8-diene (5989-27-5) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |

| | |
|----------------------------------------------------|----------------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. pH: 7 - 8 |
| Serious eye damage/irritation | : Causes eye irritation. pH: 7 - 8 |
| 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 |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

| (R)-p-mentha-1,8-diene (5989-27-5) | |
|------------------------------------|-----------------------------|
| LC50 fish | 0.72 mg/l 96 hours |
| LC50 other aquatic organism | 0.36 mg/l 48 hours- daphnia |

12.2. Persistence and degradability

| Adhesive & Gum Remover, LS-4500 series | |
|----------------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |

12.3. Bioaccumulative potential

Readily biodegradable

12.4. Mobility in soil

No data available

Safety Data Sheet

according to Regulation (EC) No. 453/2010

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data 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 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

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 |
| 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 |

Safety Data Sheet

according to Regulation (EC) No. 453/2010

| | |
|-----------|-------------------------------------------------------------------------------------------------|
| 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 |

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