

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Value Wash Exterior Cleaner
Product code : LB-86000V/1
Part number : SP-86000V series

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Cleaning agent

1.4. Supplier's details

Manufacturer

Celeste Industries Corporation
8007 Industrial Park Road
Easton, Maryland 21601 USA
T 1-410-822-5775

info@celestecorp.com - www.celestecorp.com

1.5. Emergency phone number

Emergency 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 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Skin irritation, Category 2
Serious eye damage, Category 1

Causes skin irritation.
Causes serious eye damage.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :
Hazard statements (GHS US) :
Precautionary statements (GHS US) :

Danger
Causes skin irritation
Causes serious eye damage
Wash hands, forearms and face thoroughly after handling.
Wear protective gloves, protective clothing, eye protection.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice or attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

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and easy to do. Continue rinsing.
Immediately call a poison center or doctor.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

Not applicable

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)
Alcohols, C9-11, ethoxylated	CAS-No.: 68439-46-3	1 – 5
Nonionic Surfactants	CAS-No.: Trade Secret	0.5 – 1.5
Morpholine	CAS-No.: 110-91-8	0.5 – 1.5
.beta.-Alanine, N-(2-carboxyethyl)-N-dodecyl-, monosodium salt	CAS-No.: 14960-06-6	0.1 – 0.5
Sodium silicate	CAS-No.: 1344-09-8	0.1 – 1
Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates	CAS-No.: 68130-47-2	< 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating vapors.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

For non-emergency personnel

No additional information available

For emergency responders

Environmental precautions : Prevent entry to sewers and public waters.

6.2. Methods and materials for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Avoid breathing dust, fume, gas, mist, spray, vapors. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Store away from freezing (avoid freezing during storage).

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SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Morpholine (110-91-8)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH® TLV® TWA	20 ppm
ACGIH® chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	70 mg/m ³
OSHA PEL TWA	20 ppm
Limit value category (OSHA)	prevent or reduce skin absorption
USA - IDLH - Occupational Exposure Limits	
IDLH	1400 ppm (10% LEL)
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	70 mg/m ³
NIOSH REL (TWA)	20 ppm
NIOSH REL (STEL)	105 mg/m ³
NIOSH REL (STEL)	30 ppm
US-NIOSH chemical category	SK: SYS-DIR(COR) Apr 2017

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection:
Wear eye/face protection
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

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

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SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: No data available
Odor threshold	: No data available
pH	: 10 – 11
Melting point	: No data available
Freezing point	: 32 °F (0 °C)
Boiling point	: 212 °F (100 °C)
Flash point	: No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 0.95 – 1.05
Solubility	: No data available
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

Alcohols, C9-11, ethoxylated	
Boiling point	260 °C
Flash point	125 °C
Vapor pressure	117 Pa Temp.: 20 °C
Particle characteristics	No data available

Sodium silicate	
Boiling point	> 1200 °C (at 1013 hPa)
Particle characteristics	No data available

Morpholine	
Boiling point	128.3 °C (at 1013 hPa)
Flash point	31 °C (closed cup)
Auto-ignition temperature	295 °C
Vapor pressure	10 hPa (at 20 °C)
Particle characteristics	No data available

.beta.-Alanine, N-(2-carboxyethyl)-N-dodecyl-, monosodium salt	
Boiling point	≥ 217 °C (at 1014 hPa)
Flash point	246 °C (closed cup)
Vapor pressure	≤ 0.45 Pa Temp.: 20 °C
Particle characteristics	No data available

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9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Irritating vapors.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Alcohols, C9-11, ethoxylated (68439-46-3)

LD50 oral rat	1400 mg/kg (Source: NZ_CCID)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Sodium silicate (1344-09-8)

LD50 oral rat	1960 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 5000 mg/kg body weight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity)
LC50 inhalation rat	> 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Morpholine (110-91-8)

LD50 oral rat	1050 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	310 – 810 mg/kg (Source: JAPAN_GHS)
LC50 inhalation rat	> 8000 ppm (Exposure time: 8 h Source: IARC)

Skin corrosion/irritation : Causes skin irritation.

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Morpholine (110-91-8)	
pH	13 (pure liquid)

Serious eye damage/irritation : Causes serious eye damage.

Morpholine (110-91-8)	
pH	13 (pure liquid)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Morpholine (110-91-8)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Sodium silicate (1344-09-8)	
NOAEL (animal/female, F0/P)	> 159 mg/kg body weight Animal: rat, Animal sex: female

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Alcohols, C9-11, ethoxylated (68439-46-3)	
NOAEL (oral,rat,90 days)	≥ 500 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Morpholine (110-91-8)	
LOAEL (oral,rat,90 days)	500 mg/kg body weight Animal: rat, Animal sex: female

.beta.-Alanine, N-(2-carboxyethyl)-N-dodecyl-, monosodium salt (14960-06-6)	
NOAEL (oral,rat,90 days)	160 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:

Aspiration hazard : Not classified

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Viscosity, kinematic	No data available

Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates (68130-47-2)	
Viscosity, kinematic	No data available

Alcohols, C9-11, ethoxylated (68439-46-3)	
Viscosity, kinematic	No data available

Sodium silicate (1344-09-8)	
Viscosity, kinematic	No data available

Morpholine (110-91-8)	
Viscosity, kinematic	2.23 mm ² /s

.beta.-Alanine, N-(2-carboxyethyl)-N-dodecyl-, monosodium salt (14960-06-6)	
Viscosity, kinematic	No data available

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Nonionic Surfactants	
Viscosity, kinematic	No data available
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage. May cause burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Alcohols, C9-11, ethoxylated (68439-46-3)	
LC50 - Fish [1]	5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	2.5 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Sodium silicate (1344-09-8)	
LC50 - Fish [1]	301 – 478 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: IUCLID)
EC50 - Crustacea [1]	1700 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	3185 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static] Source: IUCLID)
EC50 72h - Algae [1]	207 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	> 345.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Morpholine (110-91-8)	
LC50 - Fish [1]	350 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [1]	45 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	375 – 460 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)
EC50 96h - Algae [1]	28 mg/l (Species: Pseudokirchneriella subcapitata [static])
NOEC (chronic)	5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

.beta.-Alanine, N-(2-carboxyethyl)-N-dodecyl-, monosodium salt (14960-06-6)	
LC50 - Fish [1]	4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	1.71 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	≈ 4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [2]	5.7 mg/l Test organisms (species): Daphnia magna

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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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Poly(oxy-1,2-ethanediyl), .alpha.-hydro.-omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates (68130-47-2)

Persistence and degradability	Rapidly degradable
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Alcohols, C9-11, ethoxylated (68439-46-3)

Persistence and degradability	Rapidly degradable
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Sodium silicate (1344-09-8)

Persistence and degradability	Rapidly degradable
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Morpholine (110-91-8)

Persistence and degradability	Rapidly degradable
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.beta.-Alanine, N-(2-carboxyethyl)-N-dodecyl-, monosodium salt (14960-06-6)

Persistence and degradability	Rapidly degradable
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Nonionic Surfactants

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

Value Wash Exterior Cleaner

Bioaccumulative potential	Not established.
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Sodium silicate (1344-09-8)

BCF - Fish [1]	(no bioaccumulation expected)
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Morpholine (110-91-8)

BCF - Fish [1]	0.3 – 2.8
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Partition coefficient n-octanol/water	-0.84 (at 25 °C (at pH 10.3))
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.beta.-Alanine, N-(2-carboxyethyl)-N-dodecyl-, monosodium salt (14960-06-6)

Partition coefficient n-octanol/water	≤ -2.12 (at 20 °C)
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No
Other information	: No other effects known.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations	: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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SECTION 14 Transport information

In accordance with DOT

	DOT
14.1. UN number	Not regulated
14.2. Proper Shipping Name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazards	Not regulated
No supplementary information available.	

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

Not applicable

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

No additional information available

15.3. State regulations

WARNING:

This product can expose you to chemicals including Ethylene glycol monomethyl ether, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

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Revision date : 11/14/2025
Issue date : 11/14/2025
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



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