

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product code : 1181D-JEP

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

JEP-SOLUTIONS GLOBAL LLC
20 S. ACCESS ROAD
BLDG B
CHULA, GA
UNITED STATES
T 800-943-9158
www.jep-solutions.com

1.4. Emergency telephone number

Emergency number : INFOTRAC 1-800-535-5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H318 - Causes serious eye damage
Precautionary statements (GHS US) : P280 - Wear protective gloves, protective clothing, eye and face protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER, a doctor.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
UNDECETH-7	CAS-No.: 34398-01-1	7.505 – 9.006
SODIUM LAURIMINODIPROPIONATE	CAS-No.: 14960-06-6	5 – 10
UNDECETH-3	CAS-No.: 34398-01-1	2.552 – 3.828
POTASSIUM CARBONATE	CAS-No.: 584-08-7	1 – 5
C10-C16 ALKYLDIMETHYLAMINE OXIDE	CAS-No.: 70592-80-2	0.653 – 1.163

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after eye contact	: Serious damage to eyes.
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4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not handle until all safety precautions have been read and understood.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

POTASSIUM CARBONATE 584-08-7

No additional information available

UNDECETH-7 34398-01-1

No additional information available

UNDECETH-3 34398-01-1

No additional information available

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C10-C16 ALKYLDIMETHYLAMINE OXIDE 70592-80-2

No additional information available

SODIUM LAURIMINODIPROPIONATE 14960-06-6

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Yellow
Odour	: Mild odour
Odour threshold	: No data available
pH	: 10.6
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability	: Not applicable.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: 8.71
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

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Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

Refractive index	: 1.3647
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: No data available
Acute toxicity (dermal)	: No data available
Acute toxicity (inhalation)	: No data available

POTASSIUM CARBONATE (584-08-7)	
LD50 oral rat	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 4.96 mg/l (4.5 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))
ATE US (oral)	500 mg/kg bodyweight
UNDECETH-7 (34398-01-1)	
ATE US (oral)	500 mg/kg bodyweight
UNDECETH-3 (34398-01-1)	
ATE US (oral)	500 mg/kg bodyweight

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SODIUM LAURIMINODIPROPIONATE (14960-06-6)

LD50 oral rat	31300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
ATE US (oral)	31300 mg/kg bodyweight
Skin corrosion/irritation	: No data available pH: 10.6
Serious eye damage/irritation	: Causes serious eye damage. pH: 10.6
Respiratory or skin sensitisation	: No data available
Germ cell mutagenicity	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT-single exposure	: No data available

POTASSIUM CARBONATE (584-08-7)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: No data available

SODIUM LAURIMINODIPROPIONATE (14960-06-6)

NOAEL (oral, rat, 90 days)	160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:EPA OPPTS 870.3650, July 2000
Aspiration hazard	: No data available
Viscosity, kinematic	: No data available
Symptoms/effects after eye contact	: Serious damage to eyes.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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POTASSIUM CARBONATE584-08-7

LC50 - Fish [1]	200 mg/l (72 h, Pisces, Literature study)
EC50 - Crustacea [1]	200 mg/l (FIFRA 72-1, 48 h, Daphnia pulex, Static system, Fresh water, Experimental value, GLP)
LC50 - Fish [2]	68 mg/l (FIFRA 72-1, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, GLP)

SODIUM LAURIMINODIPROPIONATE14960-06-6

LC50 - Fish [1]	4.2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	5.7 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	1.71 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	1.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

POTASSIUM CARBONATE584-08-7

Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable

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POTASSIUM CARBONATE⁵⁸⁴⁻⁰⁸⁻⁷

ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

POTASSIUM CARBONATE⁵⁸⁴⁻⁰⁸⁻⁷

Bioaccumulative potential	Bioaccumulation: not applicable.
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12.4. Mobility in soil

POTASSIUM CARBONATE⁵⁸⁴⁻⁰⁸⁻⁷

Ecology - soil	No (test)data on mobility of the substance available.
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
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14.3. Transport hazard class(es)

DOT	
Transport hazard class(es) (DOT)	: Not applicable

14.4. Packing group

Packing group (DOT)	: Not applicable
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14.5. Environmental hazards

Other information	: No supplementary information available.
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14.6. Special precautions for user

DOT
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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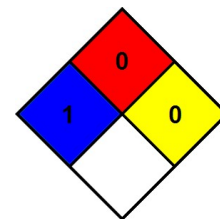
Full text of hazard classes and H-statements

H318	Causes serious eye damage
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NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : X - Special handling directions

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.