

126+ Concentrate

SAFETY DATA SHEET

Preparation Date: 04-Aug-2008

Revision Date: 02-Sep-2021

Revision Number: 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name 126+ Concentrate

Other means of identification

Item#: 0581

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Restricted to professional users

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Manufacturing
11100 N. Congress Ave.
Kansas City, MO 64153 : 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute Toxicity - Dermal	Category 4
Skin Corrosion/Irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Corrosive to metals	Category 1

Label Elements

Emergency Overview

DANGER

Hazard Statements

Harmful in contact with skin
Causes severe skin burns and eye damage
May cause respiratory irritation. May cause drowsiness or dizziness
May be corrosive to metals

**Appearance** Clear Colorless**Physical state** Liquid**Odor** Pungent**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

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.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Propionic acid	79-09-4	20 - 30
Capric acid / Decanoic acid	334-48-5	1 - 10
Pelargonic acid / Nonanoic acid	112-05-0	1 - 10

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures**General Advice**

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye contact

Keep eye wide open while rinsing. Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Call a physician or Poison Control Center immediately.

Ingestion

Never give anything by mouth to an unconscious person. Clean mouth with water and afterwards drink plenty of water. Immediate medical attention is required. Remove from exposure, lie down. Do not induce vomiting. Call a physician or Poison Control Center immediately.

Protection of First-aiders

Use personal protective equipment.

Most important symptoms and effects, both acute and delayed

Corrosive. The product causes burns of eyes, skin and mucous membranes. Harmful by inhalation.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry chemical. Water spray. alcohol-resistant foam.

Unsuitable Extinguishing Media

No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health hazards 3

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

After cleaning, flush away traces with water. Dam up. Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling**Handling**

Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities**Storage**

Keep in properly labelled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Incompatible Materials Incompatible with strong acids and bases, Incompatible with oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propionic acid 79-09-4	TWA: 10 ppm	TWA: 10 ppm TWA: 30 mg/m ³	-

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

- Eye/face Protection** Tightly fitting safety goggles. Face-shield.
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations When using, do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Pungent
Appearance	Clear Colorless	Odor Threshold	No information available
Property	Values	Remarks/ Method	
pH	3		
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	No information available		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		
Specific Gravity	1.08		
Water Solubility	soluble		
Partition coefficient: n-octanol/water	No information available		
Autoignition Temperature	No information available		
Decomposition temperature	No information available		
Viscosity of Product	No information available		
Dynamic viscosity	No information available		
<u>Other information</u>			
Liquid Density	9.0 lb/gal		
VOC Content	21.7000007629395		

10. STABILITY AND REACTIVITY

Reactivity

May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None known.

Hazardous Polymerization

None under normal processing. Hazardous polymerisation does not occur.

Conditions to Avoid

Exposure to air or moisture over prolonged periods. To avoid thermal decomposition, do not overheat. Extremes of temperature and direct sunlight.

Incompatible Materials

Incompatible with strong acids and bases, Incompatible with oxidizing agents

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure Eye contact, Skin contact, Ingestion

Information on likely routes of exposure

Eyes Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

Skin Causes burns.

Ingestion Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach. Harmful if swallowed.

Inhalation Harmful by inhalation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Product is not identified as a sensitizer according to OSHA regulations.

Mutagenic effects Product is not identified as a mutagen according to OSHA regulations.

Carcinogenicity Product is not identified as a carcinogen according to OSHA regulations.

Reproductive Effects Product is not identified as having reproductive effects according to OSHA regulations.

STOT - single exposure Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.

STOT - repeated exposure Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.

Aspiration Hazard Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propionic acid 79-09-4	= 351 mg/kg (Rat)	= 496 mg/kg (Rabbit)	= 4650 ppm (Rat) 8 h
Capric acid / Decanoic acid 334-48-5	> 10000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	No data available
Pelargonic acid / Nonanoic acid	= 5000 mg/kg (Rat) > 2 g/kg (= 2000 mg/kg (Rat)	0.46 - 3.8 mg/L (Rat) 4 h

112-05-0	Rat)		
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0% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Propionic acid 79-09-4	43: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 45.8: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	1: 96 h <i>Pimephales promelas</i> mg/L LC50 static 73 - 99.7: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 51: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	EC50 = 59.6 mg/L 17 h	No data available
Capric acid / Decanoic acid 334-48-5	No data available	54: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static	EC50 = 11.2 mg/L 5 min EC50 = 9.0 mg/L 25 min EC50 = 9.31 mg/L 15 min	65: 24 h <i>Daphnia magna</i> mg/L EC50
Pelargonic acid / Nonanoic acid 112-05-0	No data available	68 - 121: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 105: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 93.4 - 115: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	No data available	No data available

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT

UN-No	1848
Proper Shipping Name	Propionic acid Solution
Hazard Class	8
Packing Group	III

15. REGULATORY INFORMATION

State Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Propionic acid 79-09-4	X	X	X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. OTHER INFORMATION

Preparation Date: 04-Aug-2008
Revision Date: 02-Sep-2021
Revision Note: None

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS