

# 126+ Concentrate

# SAFETY DATA SHEET

Preparation Date: 04-Aug-2008

Revision Date: 27-May-2015

Revision Number: 2

## 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** No information available

### Details of the supplier of the safety data sheet

**Supplier** DeLaval Manufacturing  
11100 N. Congress Ave.  
Kansas City, MO 64153

Tel: 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

Call a POISON CENTER or doctor/physician if you feel unwell

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

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

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                   | CAS-No   | Weight % | Trade Secret |
|---------------------------------|----------|----------|--------------|
| Propionic acid                  | 79-09-4  | 20 - 30% | *            |
| Capric acid / Decanoic acid     | 334-48-5 | 0 - 10%  | *            |
| Pelargonic acid / Nonanoic acid | 112-05-0 | 0 - 10%  | *            |

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****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 Centre 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 Centre immediately.

**Protection of First-aiders** Use personal protective equipment.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>), 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.

**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.

## 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.

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Keep out of the reach of children

| Chemical Name             | ACGIH TLV   | OSHA PEL                                 | NIOSH IDLH |
|---------------------------|-------------|--|------------|
| Propionic acid<br>79-09-4 | TWA: 10 ppm | TWA: 10 ppm<br>TWA: 30 mg/m <sup>3</sup> |            |

### Appropriate engineering controls

**Engineering Controls**                      Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

|                                 |   |
|---------------------------------|---|
| <b>Eye/face Protection</b>      | Tightly fitting safety goggles. Face-shield.  |
| <b>Skin and body protection</b> | Wear protective gloves and protective clothing.   |
| <b>Respiratory Protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

**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

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid                   | <b>Odor</b>           | Pungent                  |
| <b>Appearance</b>     | Clear Colorless          | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <u>Property</u>                               | <u>Values</u>            | <u>Remarks/ Method</u> |
|---|--------------------------|------------------------|
| <b>pH</b>                                     | 3                        |                        |
| <b>Melting point/freezing point</b>           | No information available |                        |
| <b>Boiling Point/Range</b>                    | No information available |                        |
| <b>Flash Point</b>                            | No information available |                        |
| <b>Evaporation rate</b>                       | No information available |                        |
| <b>Flammability (solid, gas)</b>              | No information available |                        |
| <b>Flammability Limit in Air</b>              |                          |                        |
| <b>Upper flammability limit</b>               | No information available |                        |
| <b>Lower flammability limit</b>               | No information available |                        |
| <b>Vapor Pressure</b>                         | No information available |                        |
| <b>Vapor Density</b>                          | No information available |                        |
| <b>Specific Gravity</b>                       | 1.08                     |                        |
| <b>Water Solubility</b>                       | soluble                  |                        |
| <b>Solubility in other solvents</b>           | No information available |                        |
| <b>Partition coefficient: n-octanol/water</b> | No information available |                        |
| <b>Autoignition Temperature</b>               | No information available |                        |
| <b>Decomposition temperature</b>              | No information available |                        |
| <b>Viscosity of Product</b>                   | No information available |                        |
| <b>Dynamic viscosity</b>                      | No information available |                        |
| <b>Explosive Properties</b>                   | No information available |                        |
| <b>Oxidizing Properties</b>                   | No information available |                        |

### Other information

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening Point</b>  | No information available |
| <b>Molecular Weight</b> | No information available |
| <b>VOC Content</b>      | No information available |
| <b>Density</b>          | 9.0 lb/gal               |
| <b>Bulk Density</b>     | No information available |

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### 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

### Information on likely routes of exposure

|                     |                    |
|---------------------|--------------------|
| <b>Inhalation</b>   | No data available. |
| <b>Eye contact</b>  | No data available. |
| <b>Skin contact</b> | No data available. |
| <b>Ingestion</b>    | No data available. |

| Chemical Name                               | LD50 Oral            | LD50 Dermal             | LC50 Inhalation        |
|---|----------------------|-------------------------|------------------------|
| Propionic acid<br>79-09-4                   | = 2600 mg/kg ( Rat ) | = 496 mg/kg ( Rabbit )  | = 4650 ppm ( Rat ) 8 h |
| Capric acid / Decanoic acid<br>334-48-5     | = 3320 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) | -                      |
| Pelargonic acid / Nonanoic acid<br>112-05-0 | = 5000 mg/kg ( Rat ) | = 2000 mg/kg ( Rat )    | -                      |

### Information on toxicological effects

**Symptoms** No information available.

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

**Sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** No information available.

**Reproductive Effects** No information available.  
**STOT - single exposure** No information available.

**STOT-repeated exposure** No information available.  
**Aspiration Hazard** No information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
 The following values are calculated based on chapter 3.1 of the GHS document .

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

23.5% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name                               | Algae/aquatic plants   | Fish  | Microtox  | Waterflea                               |
|---|--|---|---|---|
| Propionic acid<br>79-09-4                   | 45.8: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50<br>43: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 1: 96 h <i>Pimephales promelas</i> mg/L LC50 static<br>73 - 99.7: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static<br>51: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static                | EC50 = 59.6 mg/L 17 h   | -                                       |
| Capric acid / Decanoic acid<br>334-48-5     | -  | 54: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static   | EC50 = 11.2 mg/L 5 min<br>EC50 = 9.0 mg/L 25 min<br>EC50 = 9.31 mg/L 15 min | 65: 24 h <i>Daphnia magna</i> mg/L EC50 |
| Pelargonic acid / Nonanoic acid<br>112-05-0 | -  | 93.4 - 115: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through<br>68 - 121: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static<br>105: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static | -   | -                                       |

### Persistence and degradability

No information available.

### Bioaccumulation/Accumulation

No information available.

| Chemical Name                           | Partition coefficient |
|---|-----------------------|
| Propionic acid<br>79-09-4               | 0.25 - 0.33           |
| Capric acid / Decanoic acid<br>334-48-5 | 4.09                  |

### 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

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | TSCA            |
| <b>DSL/NDSL</b>      | DSL/NDSL        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not Comply |
| <b>CHINA</b>         | Complies        |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Complies        |
| <b>AICS</b>          | Complies        |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### Acute Health Hazard

Yes

### Chronic Health Hazard

Yes

| Chemical Name             | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants                  | CWA - Hazardous Substances |
|---------------------------|-----------------------------|------------------------|--|----------------------------|
| Propionic acid<br>79-09-4 | 5000 lb                     | -                      | -  | X                          |
| Chemical Name             | RQ                          | CERCLA EHS RQs         | RQ   |                            |
| Propionic acid<br>79-09-4 | 5000                        | -                      | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |                            |

### State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. EPA Label information

**EPA Pesticide registration number** Not applicable

## 16. OTHER INFORMATION

**NFPA**                      **Health** 3                      **Flammability** 1                      **Instability** 0                      **Physical Hazard** -

**Preparation Date:** 04-Aug-2008

**Revision Date:** 27-May-2015

#### **Revision Note**

No information available

#### Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of SDS**