

SECTION 1: IDENTIFICATION

1.1. Identification

Product form : Mixture
 Product name : Mach 2 Base

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Teat dip for dairy cattle.

1.3. Manufacturer

Clear Lake Products, Inc.
 21303 Highway 30
 Filer, Idaho 83328
 1-208-737-9887
<https://www.clearlakesproducts.com/>

1.4. Emergency telephone number

Emergency number: 24 Hour Emergency HAZMAT Response (800) 229-5252.
 EPA National Response Center (800) 424-8802.

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS-US classification

Not classified

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|------------------------|------------------------|---------|--|
| DDBSA | (CAS-No.) 25155-30-0 | 13 – 15 | Acute Toxicity (Oral), H302 Skin Corrosion 1B, H314 Eye Damage 1, H318 STOT RE 2, H373 |
| Proprietary Surfactant | (CAS-No.) Trade Secret | 10 – 12 | Skin Irritation, H315 Eye Irritation, H319 |
| Phosphoric Acid | (CAS-No.) 7664-38-2 | 1 – 2 | Corrosive to Metals, H290 Acute toxicity, Oral H302 Skin corrosion, H314 Serious eye damage, H318 |

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

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. If irritation occurs, obtain medical advice/attention.
 First-aid measures after eye contact : Rinse eyes with water as a precaution. If irritation occurs, obtain medical advice/attention.
 First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

- Symptoms/injuries after inhalation : May cause slight irritation.
Symptoms/injuries after skin contact : May cause slight irritation to the skin.
Symptoms/injuries after eye contact : May cause slight irritation.
Symptoms/injuries after ingestion : May cause gastrointestinal discomfort.

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.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Ventilate spillage area.

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

- 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 8 : Exposure-controls/personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. 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

- Storage conditions : Store in a well-ventilated place. Keep cool.
Incompatible products : None.
Storage area : Store in a cool, dry area. Store out of direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Phosphoric Acid (7664-38-2) | | |
|-----------------------------|-------------------------------------|-----------------------------|
| ACGIH | ACGIH TWA (mg/m ³) | 1 mg/m ³ |
| ACGIH | ACGIH STEL (mg/m ³) | 3 mg/m ³ |
| ACGIH | Remark (ACGIH) | URT, eye, & skin irritation |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 1 mg/m ³ |

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.

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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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Liquid |
| | : Dark blue |
| Odor threshold | : No data available |
| pH | : Not classified |
| | pH: ≥ 2 |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Not applicable. |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Specific gravity / density | : 1.06 g/ml |
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

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).

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10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

No additional information available

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

| DDBSA (25155-30-0) | |
|--------------------|------------------------|
| LD50 oral rat | LD50 = 438 mg/kg (Rat) |

Skin corrosion/irritation : Not classified
 pH: ≥ 2

Serious eye damage/irritation : Not classified
 pH: ≥ 2

Respiratory or skin sensitization : 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

Viscosity, kinematic : No data available

Symptoms/injuries : May cause gastrointestinal discomfort.

Symptoms/injuries after inhalation : May cause slight irritation.

Symptoms/injuries after skin contact : May cause slight irritation to the skin.

Symptoms/injuries after eye contact : May cause slight irritation.

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.

| DDBSA (25155-30-0) | |
|--------------------|---|
| LC50 fish | LC50: = 10.8 mg/L, 96h static (Oncorhynchus mykiss) |

| Phosphoric Acid (7664-38-2) | |
|---|--|
| LC50 fish 1 | 138 mg/l (96 h; Pisces; Pure substance) |
| LC50 other aquatic organisms 1 | 100 - 1000 mg/l (96 h; Protozoa; Pure substance) |
| LC50 fish 2 | 100 - 1000 mg/l (Pisces; Pure substance) |
| LC50 other aquatic organisms 2 | 240 mg/l (Pure substance) |
| TLM fish 1 | 138 ppm (24 h; Gambusia affinis; Pure substance) |
| Threshold limit other aquatic organisms 1 | 100 - 1000,96 h; Protozoa; Pure substance |
| Threshold limit other aquatic organisms 2 | 240 mg/l (Pure substance) |

12.2. Persistence and degradability

No information available.

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12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Other adverse effects

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Disposal methods

- Sewage disposal recommendations : Prevent liquid from entering sewers, watercourses, underground or low areas.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Not applicable

TDG

Not applicable

Air transport

No additional information available

SECTION 15: REGULATORY INFORMATION

15.1. US Federal regulations

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Not listed on the United States TSCA (Toxic Substances Control Act) inventory

DDBSA (25155-30-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Phosphoric Acid (7664-38-2)

| | |
|--|---------|
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 5000 lb |
|--|---------|

15.2. International regulations

Canadian Regulations

No additional information available.

EU-Regulations

No additional information available.

National regulations

No additional information available.

15.3. US State regulations

US State regulations

Phosphoric Acid (7664-38-2)

| | |
|----------------------------|---|
| State or local regulations | U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List |
|----------------------------|---|

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SECTION 16: OTHER INFORMATION

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee is expressed or implied as to the results to be obtained based upon your use of the information.