

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Zebra Mussel Release Agent

Product Code: ZEB100

Recommended Use: Boat Cleaner

Revision Date: 3/17/2022

Distributor: JJV Distributing LLC
5299 Main Street E.
Maple Plain, MN 55359
763-479-3145

Chemical Emergency: Infotrac
1-800-535-5053 (US & Canada)
1-352-323-3500 (International)

SECTION 2: HAZARDS IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

The product is classified under 29 CFR 1910.1200 as follows:

| | |
|---|------------|
| Skin Corrosion | Category I |
| Serious Eye Damage | Category I |
| Specific Target Organ Toxicity (Single Exposure) - Oral | Category I |
| Corrosive to Metals | Category I |

Signal Word

DANGER!

Hazard Statements

Causes severe skin burns and eye damage
Causes serious eye damage
Causes damage to organs
May be corrosive to metals

Precautionary Statements - Prevention

Do not breathe dusts and mists
Wash thoroughly after handling
Wear protective gloves and eye protection
Do not eat, drink or smoke when using this product
Keep only in original container

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Absorb spillage to prevent material damage

Precautionary Statements - Storage

Store locked up

Store in a corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazard Pictograms



SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Product is a mixture according to 29 CFR 1910.1200.

Hazardous Components

| Hazardous Ingredients | Cas # | Weight % |
|--------------------------------|--------------|----------|
| Sodium Hydroxide, Caustic Soda | 1310-73-2 | 0 - 10% |
| Proprietary Blend | Trade Secret | 5 - 15% |

Specific chemical identity and/or exact percentage of components has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1200.

SECTION 4: FIRST-AID MEASURES

First Aid Measures

- General Advice:** Contains Sodium Hydroxide. Harmful or fatal if swallowed. Wear protective clothing when handling this product. Keep out of reach of children. Use with care.
- Eye Contact:** Immediately flush with cool running water for at least 15 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable.
- Skin Contact:** Wash off immediately with soap and water while removing all contaminated clothes and shoes.
- Ingestion:** If swallowed, may cause burning of the mouth, throat and stomach. Call immediately for medical assistance. DO NOT induce vomiting. Rinse mouth with water, then drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.
- Inhalation:** Remove to fresh air.

Most Important Symptoms and Effects

- Symptoms:** Severe burns to eyes, skin, and respiratory tract.

Indication of any immediate medical attention and special treatment needed

- Note to Physician:** Product is a corrosive material. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties

- Flammability:** Not considered to be a fire hazard.
- Explosive Prop:** Not considered to be an explosive hazard.

Extinguishing Media

- Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable:** Adding water to caustic solution generates large amounts of heat.

Specific Hazards Arising from Chemical

- Hazards:** The product causes burns of eyes, skin and mucous membranes. Thermal decomposition may lead to release of irritating and toxic vapors. In the event of fire and/or explosion do not breathe fumes.

Protective equipment and precautions for fire-fighters

Fire-Fight Method: In the event of a fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes or clothing.

Environ. Precautions: Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

Clean-Up Method: Soak-up with inert absorbent material and place into appropriate container for disposal. Clean contaminated area thoroughly with water. Prevent product from entering drains.

SECTION 7: HANDLING AND STORAGE

Handling: Use personal protective equipment when needed. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.

Storage: Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.

Incomp. Materials: Strong acids and bases. Oxidizing agents. Tin and Zinc.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Guidelines**

| Hazardous Chemical | OSHA PEL | ACGIH TLV |
|--------------------------------|---------------------|---------------------|
| Sodium Hydroxide, Caustic Soda | 2 mg/m ³ | 2 mg/m ³ |
| Proprietary Blend | Not Determined | Not Determined |

Appropriate Engineering Controls

Eng. Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment (PPE)

Eyes: Recommend safety goggles or shield.

Respiratory: Not usually necessary where ventilation is sufficient to maintain vapors under the TLV limit.

Skin: Avoid skin contact. Recommend chemical resistant gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|--------------------------|--------------------------|----------------------------|----------------|
| Physical State: | Liquid | Freezing Point: | Not determined |
| Appearance: | Clear/Light Amber Liquid | Boiling Point: | Not determined |
| Color: | Colorless | Evaporation Rate: | Not determined |
| Odor: | Odorless | Vapor Pressure: | Not determined |
| Odor Threshold: | No information available | Vapor Density: | Not determined |
| pH: | 12 - 14 | Relative Density: | Not determined |
| Flash Point: | Not determined | Flammability: | Not determined |
| Water Solubility: | Soluble in water | Explosive Limits: | Not determined |
| Viscosity: | Not determined | Part. Coefficient: | Not determined |
| Specific Gravity: | Not determined | Auto-ignition Temp: | Not determined |
| Melting Point: | Not determined | Decomp. Temp: | Not determined |

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Haz. Decomposition: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Haz. Polymerization: No information available.

Incompatibilities: Strong acids and bases, strong oxidizing agents. Tin, and Zinc.

Conditions to Avoid: Heat, moisture and incompatibles.

SECTION 11: TOXICOLOGY INFORMATION**Component Information**

| Hazardous Chemical | LD50 Oral | LD50 Dermal |
|--------------------------------|----------------|---------------------|
| Sodium Hydroxide, Caustic Soda | Not Determined | 1350 mg/kg (rabbit) |
| Proprietary Blend | Not Determined | Not Determined |

Potential Health Effects

Exposure Routes: Eye Contact, Dermal Contact, Ingestion, Inhalation

Acute Toxicity:

Eyes: Causes eye irritation with tearing, redness, and impaired vision.

Skin: Causes skin irritation, redness, and itching. May cause chemical burns.

Ingestion: Harmful if swallowed. Corrosive to mucous membranes, esophagus and stomach.

Inhalation: Respiratory irritant.

Chronic Effects: Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory disorders.

Carcinogenicity: Not listed as carcinogen by OSHA, NTP or IARC.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

| Hazardous Chemical | Toxicity to Fish | Toxicity to Invertebrates |
|--------------------------------|-------------------------------------|---------------------------|
| Sodium Hydroxide, Caustic Soda | 45.4: 96 h Oncorhynchus mykiss mg/L | Not Determined |
| Proprietary Blend | Not Determined | Not Determined |

Environmental Toxicity

Biodegradation: No information available.

Persistence: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.

Container: Drain contaminated container thoroughly. Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

Transport in accordance with all federal, state, and local regulations.

DOT

US DOT Consumer Commodity, ORM-D

(ground) **173.154 Exceptions for Class 8** (corrosive materials). (c) Consumer commodities. Until December 31, 2020, a limited quantity package containing a "consumer commodity" as defined in 171.8 of this subchapter, may be renamed "Consumer commodity" and reclassified as ORM-D or, until December 31, 2012, as ORM-D-AIR material and offered for transportation and transported in accordance with the applicable provisions of this subchapter in effect on October 1, 2010 (173.154 (c)).

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

TSCA Status: All components of this product are listed or exempt from listing on TSCA inventory.

CERCLA Reportable Quantity: Sodium Hydroxide, 1000 lbs.

U.S. State Right-to-Know Regulations

| | |
|---------------------------|----------------------------------|
| Hazardous Chemical | California Proposition 65 |
| None | |

Section 311/312 Hazard Category

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

Section 313 Toxic Chemicals None

SECTION 16: OTHER INFORMATION

Prepared by: Health and Safety Department
Issue Date: 4/27/2015
Revision Date: 3/17/2022
Revision Note: Updated address
Version: III
Disclaimer: The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. This information is offered for your information, consideration, and investigation. JJV Distributing LLC cannot anticipate all conditions under which this information and its product may be used. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. It is the user's responsibility to assume liability for loss, injury, damage or expense due to improper use.

End of Safety Data Sheet