**SAFETY DATA SHEET**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier**

**Product Name: Tileeze**

**Product Number:** #192

**Recommended Use:** Cleaner/ Hard Surface Degreaser

**Uses Advised Against:** For Industrial and Institutional Use Only

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address**

 MIRANDY PRODUCTS LLC

1078 Grand Avenue – S. Hempstead, NY 11550

PHONE: (516)489-6800

**Emergency Telephone Number**

**Company Phone Number** Emergency number : INFOTRAC: 800-535-5053

2. HAZARDS IDENTIFICATION

**GHS Classification**

2.1. Classification of the substance or mixture

|  |
| --- |
| At use solutionAt use levels this product would be unclassified Hazard Pictogram: none required |

2.2 Label Elements

Hazard Pictograms (GHS-US)

Signal word (GHS-US) : Warning

Hazard Statements: Causes eye irritation.

Precautionary Statements:

Prevention: Wash hands and any exposed skin thoroughly after handling.

Response:

Eyes IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Specific Treatment: See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage: Not Applicable

Disposal: Not Applicable

Hazards Not Otherwise Classified: Not Applicable

Other Information: •May be harmful if swallowed. •May cause skin irritation.

•Inhalation of vapors or mist may cause respiratory irritation.

•Keep out of reach of children.

2.3 Other hazards

No additional information available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

|  |
| --- |
| SECTION 3: Composition/information on ingredients |
|  Name  | Product identifier (cas#) | % Range |
| Tetrasodium ethylenediaminetetraacetate | 64-02-8 | Prop. \*  |
| Sodium Metasilicate | 684-92-0 | 1-5 |
| Nonylphenol Ethoxylate |  9016-45-9 | 1-5 |
|  2-butoxyethanol | 111-76-2 | 1-10 |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**-Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**-Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical attention.

**-Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.

**-Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

**Note to Physicians:** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

**Specific Hazards Arising from the**

**Chemical:**

Dried product is capable of burning. Combustion products are toxic.

**Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

**Protective Equipment and**

**Precautions for Firefighters:**

Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.

**Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with

non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite)

and place in container for disposal according to local / national regulations (see Section 13).

**7. HANDLING AND STORAGE**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits:** None established for product as a whole

|  |
| --- |
| 2-butoxyethanol (111-76-2) |
| USA ACGIH | ACGIH TWA (ppm) | 20PPM |
| USA ACGIH | ACGIH STEL (ppm) | 20 ppm |
| USA ACGIH | Remark (ACGIH) | Eye & Urt irr |
| USA OSHA | OSHA PEL (TWA) (mg/m³) | 240 mg/m3 |
| USA OSHA | OSHA PEL (TWA) (ppm) | 50 ppm |
|  |  |  |

**Engineering Controls:** Provide good general ventilation.

If work practices generate dust, fumes, gas, vapors or mists which expose workers to

chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

**Personal Protective Equipment**

**Eye/Face Protection:** Wear splash goggles.

**Skin and Body Protection:** Wear rubber or other chemical-resistant gloves.

**Respiratory Protection:** Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a

NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section

3 should be considered.

**General Hygiene Considerations:** Wash hands and any exposed skin thoroughly after handling.

See 29 CFR 1910.132-138 for further guidance.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |  |
| --- | --- |
| **Appearance/Physical State:** | Liquid |
| **Color:** | Blue |
| **Odor:** | Mild Detergent Solvent |
| **pH:** | 11.5-12 |
| **Melting Point / Freezing Point:** | No information available. |
| **Boiling Point / Boiling Range:** | 100 °C / 212 °F |
| **Flash Point:** |  None to boil Open Cup |
| **Evaporation Rate:** | < 1 (Butyl acetate = 1) |
| **Flammability (solid, gas)** | No information available. |
| **Upper Flammability Limit:** | No information available. |
| **Lower Flammability Limit:** | No information available. |
| **Vapor Pressure:** | No information available. |
| **Vapor Density:** | No information available. |
| **Specific Gravity:** | 1.01 |
| **Solubility:** | Miscible in water |
| **Partition Coefficient:** | No information available. |
| **Autoignition Temperature:** | No information available. |
| **Decomposition Temperature:** | No information available. |
| **Viscosity:** | No information available. |

**10. STABILITY AND REACTIVITY**

**Reactivity:** This material is considered to be non-reactive under normal conditions of use.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Not expected to occur with normal handling and storage. **Conditions to Avoid:** Extremes of temperature and direct sunlight. **Incompatible Materials:** Strong oxidizing agents. Strong acids.

**Hazardous Decomposition**

**Products:**

May include carbon monoxide, carbon dioxide (CO2) and other toxic gases or vapors.

**11. TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure:** Eyes, Skin, Ingestion, Inhalation.

**Symptoms of Exposure:**

**-Eye Contact:** Pain, redness, swelling of the conjunctiva and blurred vision.

**-Skin Contact:** Pain, redness and cracking of the skin.

**-Inhalation:** Nasal discomfort and coughing.

**-Ingestion:** Pain, nausea, vomiting and diarrhea.

**Immediate, Delayed, Chronic Effects**

Product Information: Data not available or insufficient for classification.

**Numerical Measures of Toxicity**

**Acute Toxicity**

**Product/ingredient name Result Species Dose Exposure**

Ethylene Glycol Monobutyl Ether LD50 Dermal Guinea pig >2000 mg/kg -

LD50 Oral Guinea pig 1200 mg/kg -

LC50 Inhalation Vapor Guinea pig >633 ppm 1 hours

Sodium Metasilicate LD50 Oral Rat 1153 mg/kg -

LD50 Oral Mouse 770 mg/kg -

Tetrasodium Ethylenediamine Tetraacetate LD50 Oral Rat 4100 mg/kg -

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

.

ATEmix (oral): Not Avail

ATEmix (dermal): Not Avail

**Component Acute Toxicity Information**

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity: Not established for Compound**

2-butoxyethanol (111-76-2)

LC50 fish 1 1 16 ppm (96 h; Cyprinodon variegatus; Nominal concentration)

EC50 Daphnia 1 1700 mg/l (48 h; Daphnia sp.; Nominal concentration)

LC50 fish 2 1341 ppm (96 h; Lepomis macrochirus)

EC50 Daphnia 2 1720 mg/l (24 h; Daphnia magna)

TLM fish 1 100 - 1000,96 h; Pisces

TLM other aquatic organisms 1 100 - 1000,96 h

Threshold limit algae 1 900 mg/l (168 h; Scenedesmus quadricauda)

Threshold limit algae 2 35 mg/l (192 h; Microcystis aeruginosa)

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**14. TRANSPORT INFORMATION**

**DOT:** Not Regulated

**Proper Shipping Name:** Non Hazardous Product

**Special Provisions:**

Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**15. REGULATORY INFORMATION**

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes **Chronic Health Hazard:** No **Fire Hazard:** No **Sudden release of pressure hazard:** No **Reactive Hazard:** No

**California Proposition 65**

This product contains the following Proposition 65 chemicals: None

**16. OTHER INFORMATION**

**NFPA Health Hazards:** 1**Flammability:** 1 **Instability:** 0 **Special:** N/A

**HMIS**

**Health Hazards:** 1 **Flammability:** 1 **Physical Hazards:** 0

**Revision Date:** 11-November-2015

**Reasons for Revision:** No information available.

**Disclaimer:**

**The information provided in this Material 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 Safety Data Sheet**