

Issue Date: 01-Feb-2012

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Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** HDAC

**Other means of identification**

**SDS #** MSC-020

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Heavy Duty Cleaner.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Miracle Sealants Company  
12318 Lower Azusa Road  
Arcadia, CA 91006

**Emergency Telephone Number**

**Company Phone Number** 1-626-443-6433 (Phone)  
1-626-443-1435 (Fax)

**Emergency Telephone (24 hr)**

For product spills, leaks or exposures call:  
Infotrac 1-800-535-5053 (North America) or 1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Amber liquid

**Physical state** Liquid

**Odor** acrid

**Classification**

|   |                           |
|---|---------------------------|
| Acute toxicity - Inhalation (Dusts/Mists) | Category 2                |
| Skin corrosion/irritation                 | Category 1 Sub-category B |
| Serious eye damage/eye irritation         | Category 1                |

**Signal Word**

**Danger**

**Hazard statements**

Fatal if inhaled  
Causes severe skin burns and eye damage



**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Wear respiratory protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**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  
 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  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No.     | Weight-%    |
|---------------|-------------|-------------|
| Proprietary   | Proprietary | Proprietary |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**First Aid Measures**

|                       |  |
|-----------------------|--|
| <b>General Advice</b> | Immediately call a poison center or doctor/physician.  |
| <b>Eye Contact</b>    | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a poison center or doctor/physician. |
| <b>Skin Contact</b>   | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  |
| <b>Inhalation</b>     | 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.   |
| <b>Ingestion</b>      | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.   |

**Most important symptoms and effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Causes severe skin burns and eye damage. Fatal if inhaled. Inhalation causes irritation and burning to nose and throat. Ingestion may cause severe burns to mouth, throat or stomach. |
|-----------------|---|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

### Specific Hazards Arising from the Chemical

None known.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### 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

**Personal Precautions** Use personal protective equipment as required.

### Environmental precautions

**Environmental precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Steps to be taken in case material is released or spilled: soak up with inert absorbent material. Scoop up and place in a proper waste disposal container.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash face, hands, and any exposed skin thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from sunlight. Protect from freezing. Do not store above 110°F. Keep out of the reach of children. Store locked up.

**Incompatible Materials** Strong oxidizers. Ammonia.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|---------------|----------------|--|--|
| Proprietary   | Ceiling: 2 ppm | (vacated) Ceiling: 5 ppm<br>(vacated) Ceiling: 7 mg/m <sup>3</sup><br>Ceiling: 5 ppm<br>Ceiling: 7 mg/m <sup>3</sup> | IDLH: 50 ppm<br>Ceiling: 5 ppm<br>Ceiling: 7 mg/m <sup>3</sup> |

### Appropriate engineering controls

#### Engineering Controls

Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Eyewash stations. Showers.

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

#### Eye/Face Protection

Splash proof chemical safety goggles.

#### Skin and Body Protection

Protective gloves: Plastic or rubber, chemical resistant  
Protective clothing or equipment: Chemical resistant clothing.

#### Respiratory Protection

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Refer to 29 CFR 1910.134 for respiratory protection requirements.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Work hygienic practices: Wash hands thoroughly before handling foodstuffs, liquids or tobacco products. Use common sense and care around chemicals. Never mix this product with other chemicals. Consult your supervisor for all other hygienic and safety practices. All practices depend on your specific business. Directions for use normally found on label which will dictate engineering and control measures. Wash contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                              |                       |                |                |
|------------------------------|-----------------------|----------------|----------------|
| Physical state               | Liquid                | Odor           | acid           |
| Appearance                   | Amber liquid          | Odor Threshold | Not determined |
| Color                        | Amber                 |                |                |
| <u>Property</u>              | <u>Values</u>         | <u>Remarks</u> | <u>Method</u>  |
| pH                           | 0.5-2.0               |                |                |
| Melting Point/Freezing Point | Not determined        |                |                |
| Boiling Point/Boiling Range  | > 100 °C / >212 °F    |                |                |
| Flash Point                  | None                  | TOC            |                |
| Evaporation Rate             | Not determined        |                |                |
| Flammability (Solid, Gas)    | Liquid-not applicable |                |                |
| Flammability Limits in Air   |                       |                |                |
| Upper Flammability Limits    | Not determined        |                |                |
| Lower Flammability Limit     | Not determined        |                |                |
| Vapor Pressure               | Not determined        |                |                |
| Vapor Density                | Not determined        |                |                |
| Relative Density             | 1.125                 | (1=Water)      |                |
| Water Solubility             | Completely soluble    |                |                |
| Solubility in other solvents | Not determined        |                |                |
| Partition Coefficient        | Not determined        |                |                |
| Auto-ignition Temperature    | Not determined        |                |                |

|                                  |                |
|----------------------------------|----------------|
| <b>Decomposition Temperature</b> | Not determined |
| <b>Kinematic Viscosity</b>       | Not determined |
| <b>Dynamic Viscosity</b>         | Not determined |
| <b>Explosive Properties</b>      | Not determined |
| <b>Oxidizing Properties</b>      | Not determined |

**Other Information**

**VOC Content (%)** 0% by weight

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

Strong oxidizers. Ammonia.

**Hazardous Decomposition Products**

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

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Eye Contact** Causes severe eye damage.

**Skin Contact** Causes severe skin burns.

**Inhalation** Fatal if inhaled.

**Ingestion** Do not taste or swallow.

**Component Information**

| Chemical Name      | ATEmix (oral)                          | ATEmix (dermal)         | Inhalation LC50                     |
|--------------------|--|-------------------------|-------------------------------------|
| Water<br>7732-18-5 | > 90 mL/kg ( Rat )                     | -                       | -                                   |
| Proprietary        | 238 - 277 mg/kg ( Rat )                | > 5010 mg/kg ( Rabbit ) | = 1.68 mg/L ( Rat ) 1 h             |
| Proprietary        | = 5700 mg/kg ( Rat ) = 16 g/kg ( Rat ) | -                       | = 320 mg/m <sup>3</sup> ( Rat ) 4 h |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical Name | ACGIH | IARC    | NTP | OSHA |
|---------------|-------|---------|-----|------|
| Proprietary   |       | Group 3 |     | X    |

*IARC (International Agency for Research on Cancer)  
Group 3 IARC components are "not classifiable as human carcinogens"  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present*

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

| Chemical Name | Algae/aquatic plants | Fish   | Crustacea |
|---------------|----------------------|--|-----------|
| Proprietary   |                      | 282: 96 h Gambusia affinis mg/L<br>LC50 static |           |

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Please contact manufacturer for most current information

**IATA**

Please contact manufacturer for most current information

**IMDG**

Please contact manufacturer for most current information

## 15. REGULATORY INFORMATION

### International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/E<br>LINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|---------------|------|----------|-------------------|---------|-------|---------|-------|------|
| Proprietary   | X    | X        | X                 | Present | X     | Present | X     | X    |
| Proprietary   | X    | X        |                   | Present | X     | Present | X     | X    |
| Proprietary   | X    | X        |                   |         |       |         |       | X    |

#### **Legend:**

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

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

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**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

### US Federal Regulations

#### **CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|---------------|--------------------------|----------------|--|
| Proprietary   | 5000 lb                  | 5000 lb        | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No. | Weight-%    | SARA 313 - Threshold Values % |
|---------------|---------|-------------|-------------------------------|
| Proprietary - |         | Proprietary | 1.0                           |

#### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Proprietary   | 5000 lb                     |                        |                           | X                          |

### US State Regulations

#### **U.S. State Right-to-Know Regulations**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Proprietary   | X          | X             | X            |

**16. OTHER INFORMATION**

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | 3                     | 0                   | 0                       | Not determined             |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical hazards</b> | <b>Personal Protection</b> |
|                    | 3                     | 0                   | 0                       | Not determined             |

**Issue Date:** 01-Feb-2012  
**Revision Date:** 14-Oct-2013  
**Revision Note:** New format

**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 Safety Data Sheet**