

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Code 18175
Product Name MIC-10

Other means of identification

Recommended use of the chemical and restrictions on use

Use only for the purpose on the product label.

Details of the supplier of the safety data sheet

Manufacturer / Manufactured For

Seatex, LLC
445 TX Hwy 36
Rosenberg, TX 77471
Phone: (713) 357-5300

Emergency telephone number

24 Hour Emergency Phone Number: 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------------------|------------|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |
| Acute aquatic toxicity | Category 2 |
| Chronic aquatic toxicity | Category 2 |

Label elements

Emergency Overview

Danger

Hazard statements

Causes skin irritation
Causes serious eye damage
Toxic to aquatic life with long lasting effects



Appearance Clear to Slightly Hazy

Physical state Liquid

Odor Nil

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

Precautionary Statements - Response

Specific Treatment (See Section 4 on the SDS).

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: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink plenty of water.

Precautionary Statements - Storage

Keep out of reach of children.

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 |
|---------------------------------------|------------|----------|--------------|
| 1-Amino-2-Propanol | 78-96-6 | 1-5 | * |
| Linear Dodecyl Benzene Sulphonic Acid | 27176-87-0 | 1-5 | * |
| Citric Acid | 77-92-9 | 1-5 | * |

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

4. FIRST AID MEASURES**First aid measures****Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If irritation persists, call a physician.

Inhalation

If mists/vapors are formed or irritation occurs, leave area and do not return until mists/vapors have dissipated. If irritation persists, see a physician.

Ingestion

Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If irritation persists, see a physician.

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

The product causes irritation of eyes, skin and mucous membranes.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

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 Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No Information available.

Explosion data**Sensitivity to Mechanical Impact** None.**Sensitivity to Static Discharge** None.**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 Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

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

Methods for cleaning up Contain spill. Clean up with inert material and place in a properly labeled container.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials Strong oxidizing agents, particularly chlorine, heavy metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------|---|--|--|
| Sulfuric Acid 7664-93-9 | TWA: 0.2 mg/m ³ thoracic particulate matter | TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ | IDLH: 15 mg/m ³ TWA: 1 mg/m ³ |

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations & Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear chemical resistant gloves.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators or air purifying respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | |
|-----------------------|--------------------------|
| Physical state | Liquid |
| Appearance | Clear to Slightly Hazy |
| Odor | Nil |
| Odor threshold | No Information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|--------------------------|--------------------------------|
| pH | 9.0-10.0 | |
| Specific Gravity | 1.024 | |
| Viscosity | No Information available | Remarks |
| Melting point/freezing point | No Information available | |
| Boiling point / boiling range | > 212 / ° F Degrees | |
| Flash point | N/A | |
| Evaporation rate | < 1 | (butyl acetate = 1) |
| Flammability (solid, gas) | No Information available | |
| Upper flammability limit: | N/A | |
| Lower flammability limit: | N/A | |
| Vapor pressure | N/A | |
| Vapor density | N/A | |
| Water solubility | N/D | |
| Partition Coefficient (n-octanol/water) | No Information available | |
| Autoignition temperature | No Information available | |
| Decomposition temperature | No Information available | |

Other Information

| | |
|------------------------|--------------------------|
| Density Lbs/Gal | No Information available |
| VOC Content (%) | 0.1 |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Strong oxidizing agents, particularly chlorine, heavy metals.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | No data available |
| Inhalation | No data available. |
| Eye contact | Corrosive to the eyes and may cause severe damage including blindness. |
| Skin Contact | Irritating to skin. |
| Ingestion | No data available. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|--|---|-------------------------------------|
| 1-Amino-2-Propanol 78-96-6 | = 1715 mg/kg (Rat) | - | - |
| Linear Dodecyl Benzene Sulphonic Acid 27176-87-0 | = 1260 mg/kg (Rat) = 437 mg/kg (Rat) = 775 mg/kg (Rat) | 631 - 1000 mg/kg (Rabbit) = 2000 mg/kg (Rabbit) | - |
| Citric Acid 77-92-9 | = 3 g/kg (Rat) = 3000 mg/kg (Rat) | - | - |
| Sulfuric Acid 7664-93-9 | = 2140 mg/kg (Rat) | - | = 510 mg/m ³ (Rat) 2 h |

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. |
| Germ cell mutagenicity | No Information available. |
| Carcinogenicity | No Information available. |
| Reproductive toxicity | 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

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|--|---|--|--|
| 1-Amino-2-Propanol 78-96-6 | 23: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 2390 - 2650: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through | 108.82: 48 h <i>Daphnia magna</i> Straus mg/L EC50 |
| Linear Dodecyl Benzene Sulphonic Acid 27176-87-0 | 29: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 | 10.8: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 3.5 - 10: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 3: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static | 2.9: 48 h <i>Daphnia magna</i> mg/L EC50 5.88: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Citric Acid 77-92-9 | - | 1516: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static | 120: 72 h <i>Daphnia magna</i> mg/L EC50 |
| 2-Phenoxyethanol 122-99-6 | 500: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 337 - 352: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 220 - 460: 96 h <i>Leuciscus idus</i> mg/L LC50 static 366: 96 h <i>Pimephales promelas</i> mg/L LC50 static | 500: 48 h <i>Daphnia magna</i> mg/L EC50 |

| | | | |
|-----------------------------|---|---|--|
| Sodium Sulfate 7757-82-6 | - | 3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50 13500 - 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static | 2564: 48 h Daphnia magna mg/L EC50 630: 96 h Daphnia magna mg/L EC50 |
| Sulfuric Acid 7664-93-9 | - | 500: 96 h Brachydanio rerio mg/L LC50 static | 29: 24 h Daphnia magna mg/L EC50 |

Persistence and degradability

No Information available.

Bioaccumulation

No Information available.

| Chemical Name | Partition coefficient |
|---|-----------------------|
| 1-Amino-2-Propanol 78-96-6 | -0.94 |
| Linear Dodecyl Benzene Sulphonic Acid 27176-87-0 | 2 |
| Citric Acid 77-92-9 | -1.72 |

Other adverse effects

No Information available.

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

Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

The shipping classification information in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

DOT

Not regulated

15. REGULATORY INFORMATION

International Inventories

| | |
|---------------|-----------------|
| TSCA | Complies |
| DSL/NDL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Does not comply |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

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

DSL/NDL - 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

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|--|----|
| Acute health hazard | No |
| Chronic Health Hazard | No |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as 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 |
|---|-----------------------------|------------------------|---------------------------|----------------------------|
| Linear Dodecyl Benzene Sulphonic Acid 27176-87-0 | 1000 lb | - | - | X |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|--------------------------|----------------|---|
| Linear Dodecyl Benzene Sulphonic Acid 27176-87-0 | 1000 lb | - | RQ 1000 lb final RQ RQ 454 kg final RQ |

US State Regulations

California Proposition 65

WARNING: This product can expose you to Sulfuric Acid which is known to the state of California to cause cancer or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| 1-Amino-2-Propanol 78-96-6 | X | X | X |
| Linear Dodecyl Benzene Sulphonic Acid 27176-87-0 | X | X | X |
| 2-Phenoxyethanol 122-99-6 | X | - | X |
| Sodium Sulfate 7757-82-6 | - | X | X |
| Sulfuric Acid 7664-93-9 | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

HMIS Health hazards 1 Flammability 0 Physical hazards 0 Personal protection X

Legend

N/A - Not Applicable
N/E - Not Established
N/D - Not Determined
N/K - Not Known

Issue Date 08-Dec-2014

Revision Date 22-Apr-2020

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