



SAFETY DATA SHEET

Issue Date 28-Oct-2014

Revision Date 28-Oct-2014

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name ALIMEX

Other means of identification

Product code: 349000

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Descaler.

Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address

Summit Industrial Products
9010 County Road 2120
Tyler, Texas 75707
Phone: (903) 534-8021
Fax: (903) 581-4376

Emergency telephone number

Emergency Telephone CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation | Category 2 Sub-category B |
| Serious eye damage/eye irritation | Category 2A |

Label elements

EMERGENCY OVERVIEW

Signal word

Warning

Hazard statements

Causes skin irritation

Causes serious eye irritation



Appearance Aqueous solution**Physical state** Liquid**Odor** None**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

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 advice/attention

Skin IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

If skin irritation occurs: Get medical advice/attention

Wash contaminated clothing before reuse

Inhalation 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

Ingestion IF SWALLOWED: Rinse mouth. DO NOT induce vomiting**Precautionary Statements - Storage**

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other information****3. COMPOSITION/INFORMATION ON INGREDIENTS**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Components | CAS-No | Weight % | Trade Secret |
|-------------------------------------|------------|----------|--------------|
| Sulfamic Acid | 5329-14-6 | 5-15 | * |
| Dipropylene glycol monomethyl ether | 34590-94-8 | 1-5 | * |

4. FIRST AID MEASURES**First aid measures****Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.**Skin contact:** Rinse with plenty of water. If symptoms persist, call a physician.**Inhalation:** In the case of inhalation of aerosol/mist consult a physician if necessary. Move to fresh air.**Ingestion:** Do not induce vomiting. Rinse mouth. Drink plenty of water. Consult a physician.**Most important symptoms and effects, both acute and delayed****Symptoms** No information available.**Indication of any immediate medical attention and special treatment needed****5. FIRE-FIGHTING MEASURES****Suitable extinguishing media:**The product itself does not burn. Dry chemical. Carbon dioxide (CO₂). Water spray. Foam.

Unsuitable extinguishing media None known based on information supplied

Specific hazards arising from the chemical

In the event of fire and/or explosion do not breathe fumes.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions:** Use personal protective equipment.**Environmental precautions****Environmental precautions:** Should not be released into the environment. Contain all contaminated water for removal and treatment.**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:** Neutralise with Soda Ash. Soak up with inert absorbent material.**7. HANDLING AND STORAGE****Precautions for safe handling****Handling** Use only in well-ventilated areas. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes and skin.**Conditions for safe storage, including any incompatibilities****Storage Conditions** Keep container tightly closed. Keep away from direct sunlight
Packaging materials Store in fiberglass, polyethylene, or polypropylene containers. Do not store in metal containers, especially aluminum.**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

| Components | ACGIH TLV | OSHA (TWA mg/m ³): | IDLH: |
|--|-----------|--------------------------------|---------|
| Dipropylene glycol monomethyl ether - 34590-94-8 | 100 ppm | 100 ppm | 600 ppm |

Appropriate engineering controls**Engineering measures to reduce exposure:** Ensure adequate ventilation, especially in confined areas.**Individual protection measures, such as personal protective equipment****Respiratory protection:** No personal respiratory protective equipment normally required. Breathing apparatus needed only when aerosol or mist is formed.
Hand protection: Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves
Eye protection: Safety glasses with side-shields
Skin and body protection: Chemical resistant apron
General Hygiene Considerations Avoid contact with skin, eyes and clothing**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties**Physical state** Liquid**Appearance** Aqueous solution **Odor** None**Color** Clear Yellow**Odor threshold** No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--------------------------|--------------------------|
| Melting point/freezing point | -2 °C / 28.4 °F | |
| Flash point | No information available | Cleveland Open Cup |
| Flammability (solid, gas) | No information available | |
| Upper flammability limit: | No information available | |
| Vapor pressure | No information available | |
| Specific Gravity | > 1.0 | |
| Solubility in other solvents | No information available | |
| Autoignition temperature | No information available | |
| Kinematic viscosity | No information available | |
| Explosive properties | | No information available |
| Oxidizing properties | | No information available |

pH 1.0**Boiling point / boiling range** 101 °C / 214 °F**Evaporation rate** No information available**Flammability****Limit in Air****Lower flammability limit:** No information available**Vapor density** No information available**Water solubility** Soluble in water**Partition coefficient** No information available**Decomposition temperature** No information available**Dynamic viscosity** No information available**Other information****Softening point** No information available**Molecular weight** No information available**VOC Content (%)** No information available**Density** No information available**Bulk density** No information available**10. STABILITY AND REACTIVITY****Reactivity**

Not applicable

Chemical stability**Stability**

Stable under normal conditions

Possibility of Hazardous Reactions**Possibility of Hazardous Reactions**

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid**Conditions to avoid**

No special storage conditions required

Hazardous Decomposition Products**Hazardous Decomposition Products**

Incomplete combustion may produce small amounts of sulfur oxides

Incompatible materials**Incompatible materials**

Bases, Inorganic acid chlorides, Cyanides, Sulphides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information |
| Eye contact | Avoid contact with eyes. Severely irritating to eyes. |
| Skin contact | May cause irritation. |
| Inhalation | Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. |
| Ingestion | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. |

| Components | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------------------|-----------------|
| Sulfamic Acid - 5329-14-6 | = 1450 mg/kg (Rat) | - | - |
| Dipropylene glycol monomethyl ether - 34590-94-8 | = 5230 mg/kg (Rat) | = 9500 mg/kg (Rabbit) | - |

Information on toxicological effects

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

| | |
|---------------------------------|--|
| Sensitization | No sensitization responses were observed. |
| Mutagenic effects: | Did not show mutagenic or teratogenic effects in animal experiments. |
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| Reproductive toxicity | This product does not contain any known or suspected reproductive hazards. |
| STOT - Single Exposure | None under normal use conditions. |
| STOT - Repeated Exposure | None under normal use conditions. |
| Aspiration hazard | Not applicable. |

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 13511 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

No known hazards to the aquatic environment.

1.27503% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Sulfamic Acid - 5329-14-6 | |
|--|--|
| Algae/aquatic plants | - |
| Fish | 14.2: 96 h Pimephales promelas mg/L LC50 static |
| Crustacea | - |
| Dipropylene glycol monomethyl ether - 34590-94-8 | |
| Algae/aquatic plants | - |
| Fish | 10000: 96 h Pimephales promelas mg/L LC50 static |
| Crustacea | 1919: 48 h Daphnia magna mg/L LC50 |

Persistence and degradability

Readily biodegradable, according to appropriate OECD test. (based on components).

Bioaccumulation

No information available.

Mobility

Soluble in water.

| Components | Partition coefficient |
|--|-----------------------|
| Dipropylene glycol monomethyl ether - 34590-94-8 | -0.064 |

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. |

14. TRANSPORT INFORMATION

| | |
|-------------------|--|
| <u>DOT</u> | Not Regulated by any means of transportation |
|-------------------|--|

15. REGULATORY INFORMATION**International Inventories**

| | |
|----------------------|---|
| TSCA: | Listed in TSCA |
| DSL: | All of the components in this product are listed in DSL |
| EINECS/ELINCS | This product does not comply with EINECS/ELINCS |
| CHINA: | This product complies with China IECSC. |
| KECL: | This product complies with Korea KECL. |
| PICCS: | This product complies with Philippines PICCS. |
| AICS: | All the constituents of this material are listed on the Australian AICS |

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

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 | Yes |
| 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)

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

State Regulations (RTK)**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

| Components | NJRTK: | MARTK: | PARTK: |
|--|----------------------------|------------|------------|
| Sulfamic Acid - 5329-14-6 | Substance no. 1770 Listed. | Not Listed | Not Listed |
| Dipropylene glycol monomethyl ether - 34590-94-8 | Substance no. 0804 Listed. | Listed. | Listed. |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION**Nfpa:**

Health: 1

Flammability: 0

Instability 0

NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *

HMIS health rating:

Health: 1

Flammability: 0

Physical hazards 0

Personal protection B

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Revision Note

Not applicable

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