



SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 29-June-2023

Revision Date 29-June-2023

Revision Number 1

1. Identification

Product identifier

Product Name Vitastim Refinery

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Helps to control petroleum hydrocarbons.

Restrictions on use For professional use only

Details of the supplier of the safety data sheet

Manufacturer Address

Aquafix Inc.
2310 Daniels St.
Madison WI 53718
USA
1-888-757-9577

E-mail info@teamaquafix.com

Emergency telephone number Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification

| | |
|--|------------|
| Acute toxicity – Inhalation (Dust/Mists) | Category 4 |
|--|------------|

Label elements

Danger

Hazard statements

Harmful if inhaled.



Precautionary Statements - Prevention

Avoid breathing dust, fume, gas, mist, vapors, and spray. Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.

Eyes

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Unknown acute toxicity

77.99 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Other information

May be harmful if swallowed. May be harmful in contact with skin.

3. Composition/information on ingredients**Substance**

Not applicable.

Mixture

| Chemical name | CAS No | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry#) | Date HMIRA filed and date exemption granted (if applicable) |
|-------------------|--------|----------|---|---|
| Proprietary blend | X | X | - | - |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.
Occupational exposure limits, if available, are listed in Section 8.

4. First-aid measures**Description of first aid measures**

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| General advice | IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance. |
| Inhalation | If breathing has stopped, <i>give</i> artificial respiration. Get medical attention immediately. Remove to fresh air. If symptoms persist, call a physician. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| Skin contact | Wash skin with soap and water. |
| Ingestion | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. |
| Self-protection of the first aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required. See section 8 for more information. |

Most important symptoms and effects, both acute and delayed

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|----------------------------|---|
| Symptoms | Coughing and/ or wheezing. Difficulty in breathing. |
| Effects of Exposure | No information available. |

Indication of any immediate medical attention and special treatment needed.

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| Note to physicians | Treat symptomatically. |
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5. Fire-fighting measures

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| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | No information available. |
| Specific hazards arising from the chemical | No information available. |
| Explosion data | |
| Sensitivity to mechanical impact | None |
| Sensitivity to static discharge | None |

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| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
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6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

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| Personal precautions | Ensure adequate ventilation. Avoid generation of mist. Do not breathe mist. Use personal protective equipment as required. |
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| Other information | Refer to protective measures listed in Sections 7 and 8. |
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Methods and material for containment and cleaning up.

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| Methods for containment | Prevent further leakage or spillage if safe to do so. |
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| Methods for cleaning up | Dispose of in accordance with federal, state, and local regulations. Take up with sand, earth, or other non-combustible absorbent material. |
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7. Handling and storage

Precautions for safe handling

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| Advice on safe handling | Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid generation of dust. Ensure adequate ventilation. Do not eat, drink, or smoke when using this product. |
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Conditions for safe storage, including any incompatibilities.

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| Storage Conditions | Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep at temperatures between 10 and 26.6667 °C (50 and 80 °F). Keep away from combustible material. Store away from incompatible materials. See section 10 for more information. |
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8. Exposure controls/personal protections

Control parameters

| | |
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| Exposure Limits | No information available |
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Appropriate engineering control

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| Engineering controls | Showers Eyewash stations Ventilation systems. |
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Individual protection measures, such as personal protective equipment

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| Eye/face protection | Wear safety glasses with side shields (or goggles) |
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| Hand protection | Wear suitable gloves. |
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|---------------------------------|------------------------------------|
| Skin and body protection | Wear suitable protective clothing. |
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| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
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|---------------------------------------|---|
| General hygiene considerations | Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink, or smoke when using this product. |
|---------------------------------------|---|

9. Physical and chemical properties

Information on basic physical and chemical properties

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|-----------------------|--------|
| Appearance | Powder |
| Physical state | Solid |
| Color | Tan |
| Odor | Earthy |

Odor threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|---------------------------|-------------------------|
| pH | | No data available |
| Melting point/ freezing point | | No data available |
| Initial boiling point and boiling range | | No data available |
| Flash point | | No data available |
| Evaporation rate | | No data available |
| Flammability | | No data available |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | | No data available |
| Lower flammability or explosive limits | | No data available |
| Vapor pressure | | No data available |
| Vapor density | | No data available |
| Relative density | | No data available |
| Water solubility | Soluble | |
| Solubility(ies) | | No data available |
| Partition coefficient | | No data available |
| Autoignition temperature | | No data available |
| Decomposition temperature | | No data available |
| Kinematic viscosity | | No data available |
| Dynamic viscosity | | No data available |
| <u>Other information</u> | | |
| Explosive properties | No information available. | |
| Oxidizing properties | No information available. | |
| Softening point | No information available | |
| Molecular weight | No information available | |
| VOC content | No information available | |
| Liquid density | No information available | |
| Bulk density | No information available | |

10. Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | None under normal use conditions. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | None under normal processing. |
| Conditions to avoid | Keep away from open flames, hot surfaces, and sources of ignition. Incompatible materials. |
| Incompatible materials | Reducing agent, Strong acids, Strong bases, Alkali. |
| Hazardous decomposition products | Nitrogen oxides (NOx), Sodium nitrite, Sodium oxides. |

11. Toxicological information

Information on likely routes of exposure

Product Information

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|--------------|--|
| Inhalation | Specific test data for the substance or mixture is not available. Harmful by inhalation. (based on components) |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | May be harmful in contact with skin |
| Ingestion | Specific test data for the substance or mixture is not available. |

Symptoms related to the physical, chemical, and toxicological characteristics.

Symptoms May cause redness and tearing of the eye.

Acute toxicity May be harmful if swallowed.

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

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin 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.

12. Ecological information

Ecotoxicity No information available.

Persistence and degradability No information available.

Bioaccumulation No information available.

Component Information No information available.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Contact supplier for inventory compliance status.

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory, or are otherwise exempted from inventory listing requirements.

US Federal Regulations

SARA313

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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SOS for appropriate classifications.

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.

US State Regulations

California Proposition 65

This product **does not** contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product **does not** contain any substances regulated under applicable state right-to-know regulations.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

| | | | | |
|---|--------------------------|-----------------------|---------------------------|------------------------------|
| NFPA | Health hazards 2 | Flammability 0 | Instability 0 | Special hazards - |
| HMIS | Health hazards 2* | Flammability 0 | Physical hazards 0 | Personal protection X |
| <small>Chronic Hazard Star Legend* = <i>Chronic Health Hazard</i></small> | | | | |

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) Skin designation |
| Ceiling | Maximum limit value | * | |

Key literature references and sources for data used to compile the SDS

- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGl(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal
- Hazardous Substance Database
- International Uniform Chemical Information Database (IUCLID)
- Japan GHS Classification
- Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH (National Institute for Occupational Safety and Health)
- National Library of Medicine's ChemID Plus (NLM CIP)
- National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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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