

Safety Data Sheet: Enzymatic Detergent

SECTION 1: IDENTIFICATION

Product Name: Moore Enzymatic Detergent
Catalog Numbers: 10-7445
Product Classification: Evacuation system cleaner
Manufactured By: Moore Medical
1690 New Britain Avenue
Farmington, CT 06032
Telephone: 800.234.1464
Emergency Number: Chemtrec 1-800-424-9300
Date Prepared: April 21, 2015
Supersedes Date: New issue.
Product Use: Evacuation system cleaner

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This information is based on findings from related and/or similar materials

Physical Hazards: Skin irritation can occur. Will cause moderate to severe eye irritation if direct contact with eyes.

Health Hazards: Ingesting significant quantity may be toxic. Inhalation of vapors may cause irritation to mucous membranes.

OSHA Defined Hazards: Not classified.

Label Elements:



Signal Word: Warning.

Hazard Statement:
H302: Harmful if swallowed.
H303: May be harmful if swallowed.
H312: Harmful in contact with skin.
H313: May be harmful in contact with skin.
H319: May cause serious eye irritation.
H320: Causes eye irritation.
H333: May be harmful if inhaled.
H335: May cause respiratory irritation.

Prevention: Wear an impermeable apron and gloves to protect from contact with skin. Wear safety glasses to protect from splashing.

- Response: 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/advice. If in contact with the **skin**: Flush the skin with copious of water for at least 15 minutes. Remove contaminated clothing and seek medical attention. If **inhaled** and respiratory irritation or distress occurs, seek medical attention. If **ingested**: if person is conscious, give water to dilute stomach contents and contact a physician immediately.
- Storage: Store at room temperature. Keep away from small children. Keep from freezing.
- Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
- Other Hazards Unclassified: None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical ID | CAS # | EINECS # | INCI Name | Exposure OSHA (TWA/STEL) | Limits ACGIH | Carcinogen | % (By Weight) |
|-------------------|-----------|-----------|------------------------|--|--|------------|---------------|
| Water | 7732-18-5 | 215-185-5 | Water | N/A | N/A | No | >50%, <75% |
| Isopropyl Alcohol | 67-63-0 | 200-661-7 | Isopropyl Alcohol | 400 ppm 500 ppm | 100 ppm 200 ppm | No | >5%, <15% |
| Oxalic Acid | 6153-56-6 | 205-634-3 | Oxalic Acid, Dihydrate | 1mg/m ³ 2mg/m ³ | 1mg/m ³ 2mg/m ³ | No | <5% |
| Mixture | N/A | N/A | N/A | N/A | N/A | N/A | <5% |

SECTION 4: FIRST AID MEASURES

The following first aid recommendations are based on an assumption that appropriate personal hygiene and industrial hygiene practices are followed.

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Assure adequate flushing by separating the eyelids.
- Skin Contact:** Flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.
- Inhalation:** If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention.
- Ingestion:** Seek immediate medical attention. If conscious, give water to dilute stomach contents. **Do NOT induce vomiting.**

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media:

N/A. Not combustible under ordinary use conditions.

Unsuitable Extinguishing Media:

N/A. Not combustible under ordinary use conditions.

Fire Fighting Instruction:

N/A. Not combustible under ordinary use conditions.

Hazardous Combustion Products:

N/A. Not combustible under ordinary use conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:

Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Methods and Materials for Containment and Cleaning Up:

Large Spills: Reclaim material in closed containers for disposal in accordance with local, state and federal regulations. Flush the area with large amounts of water.

Small Spills: Wipe up with absorbent material (e.g. towel, sponge). Clean surface thoroughly to remove residual contamination.

Environment Precautions: None are anticipated.

SECTION 7: HANDLING AND STORAGE

Handling: No special handling is anticipated.

Storage: Store in a cool, well ventilated area away from heat, sparks, and flame. Keep away from heat or other sources of ignition. Keep containers closed when not in use. Keep out of reach of children. Keep in original container provided by manufacturer.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No exposure limits noted for ingredient(s).

Biological Limit Values:

No biological exposure limits noted for ingredient(s).

Exposure Guidelines:

No exposure standards allocated.

Appropriate Engineering Controls:

Use general ventilation.

Individual Protection Measures, Such as Person Protective Equipment:

- Eye/face protection: Safety glasses to protect from splashing.
- Hand protection: Impermeable gloves.
- Other: Impermeable apron.
- Respiratory Protection: No personal respiratory protective equipment is required under normal use conditions. Use product in a room with normal/general ventilation.
- Thermal Hazards: Product is non-hazardous when used as directed.
- General Hygiene: Product is non-hazardous when used as directed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | Odor & Odor Threshold | pH | Specific Gravity | Viscosity | % Volatile | | |
|--------------------------------|---------------------------|---|-----------------------|-----------------|---------------|---------------|----------------------------|
| Liquid | Wintergreen | 6.0 – 7.0 | 1.10 | Not Available | Not Available | | |
| Boiling Point / Freezing Point | Decomposition Temperature | Octanol/Water Partitioning Coefficient (Log Po/w) | Vapor Pressure (mmHg) | Vapor Density | Evap Rate | Ignition | Solubility in Water (20°C) |
| ≈ 212°F | Not Available | Not Available | Not Established | Not Established | Not Available | Not Available | Not Available |
| Flash Point Class | Flammable Limit | Auto-Ignition Temperature | | | | | |
| None | No Data | Not Available | | | | | |

SECTION 10: STABILITY AND REACTIVITY

| | |
|---------------------------------|--|
| Stability: | Stable under normal use conditions. |
| Conditions to Avoid: | Heat and open flame. |
| Incompatibilities: | Reactive metals (mild steels and aluminum), and bases. |
| Hazardous Decomposition: | Thermal decomposition may produce toxic fumes of phosphorus oxide. |
| Reactivity: | None known. |

SECTION 11: TOXICOLOGY INFORMATION

Information on Likely Routes of Exposure:

- Ingestion: Swallowing large amounts of this product could be toxic. Seek immediate medical attention. If conscious, give water to dilute stomach contents. **Do NOT induce vomiting.**
- Inhalation: Inhalation of vapors may cause irritation to mucous membranes. If inhaled and respiratory system irritation or distress occurs, move victim to fresh air and seek medical attention if symptoms do not subside.
- Skin Contact: Skin irritation can occur.
- Eye Contact. May cause moderate to severe eye irritation.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics:

Information on Toxicological Effects:

| | |
|------------------------------------|--|
| Acute Toxicity: | Ingesting large amounts of this product could be toxic. |
| Skin Corrosion/Irritation: | Skin irritation can occur. |
| Serious Eye Damage/Eye Irritation: | May cause moderate to severe eye irritation |
| Respiratory Sensitization: | Inhalation of vapors may cause irritation to mucous membranes. |
| Skin Sensitization: | None known. Knowledge about health hazard is incomplete. |

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information:

This material is not expected to be harmful to aquatic life.

Persistence and Degradability:

No data is available on the degradability of this product.

Bioaccumulative Potential:

Not available.

Mobility in Soil:

Not available.

Other Adverse Effects:

Not available.

SECTION 13: DISPOSAL CONSIDERATION

Disposal Instructions:

Under RCRA, this product is not considered hazardous waste. Contract with a disposal operator who is licensed. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal Regulations (40 CFR 261.4 (b)(4)).

Hazardous Waste Code:

Not regulated.

Waste from Residues/Unused Products:

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container(s) must be disposed of in a safe manner.

Contaminated Packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Germ Cell Mutagenicity: No data available to indicate product or any components present at great than 0.1% are mutagenic or genotoxic. Knowledge about mutagenicity is incomplete.

Carcinogenicity: This product is not known to be a carcinogen by IARC, ACGIH, NTP, or OSHA. This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, NTP, or OSHA. Knowledge about carcinogenicity is incomplete.

SECTION 14: TRANSPORTATION INFORMATION

| | UN Number | UN Proper Shipping Name | Hazard Class(s) | Packing Group | Environmental Hazards |
|------------------------|------------------|--------------------------------|------------------------|----------------------|------------------------------|
| DOT | None | Not Regulated | None | None | Not applicable |
| ADR (road) | None | Not Regulated | None | None | Not applicable |
| RID (rail) | None | Not Regulated | None | None | Not applicable |
| IMDG (sea) | None | Not Regulated | None | None | Not applicable |
| IATA/ICAO (air) | None | Not Regulated | None | None | Not applicable |

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations:

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4):

Not listed.

US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Not regulated.

SARA 304 Emergency Release Notification:

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA):

| | | |
|---------------------------|-------------------|----|
| Hazard Categories: | Immediate Hazard | No |
| | Delayed Hazard | No |
| | Fire Hazard | No |
| | Pressure Hazard | No |
| | Reactivity Hazard | No |

SARA 302 Extremely Hazardous Substance: No

SARA 311/312 Hazardous Chemical: No

Other Federal Regulations:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants List:

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Not regulated.

Safe Drinking Water (SDWA):

Not regulated.

Food and Drug Administration (FDA):

Not regulated.

US State Regulations:

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

International Inventories:

| Country(s) or Region | Inventory Name | On Inventory (Yes/No*) |
|--------------------------------|--|---------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ENCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: OTHER INFORMATION

Hazard Rating System (Pictograms)

NFPA:



HMIS:



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