



MATERIAL SAFETY DATA SHEET

ClearClean® Train Wash

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Wauconda, IL 60084 USA Web: Enzymes-Inc.com

Enzymes, Inc. (EI) urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals that are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors and others whom it knows or believes will use this material or the information in this MSDS and any other information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers, and other users of the product of this information.

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Trade Name: ClearClean® Train Wash
Revision Date: 02/24/2009
CAS Name: Mixed Enzyme Cleaning Agent
Product Description: Concentrated non-bacterial, readily biodegradable enzymatic solution.
Manufacturer's Name: Enzymes Incorporated
Address: 1099 Brown Street #102 Wauconda, IL 60084-3105 USA
Phone: (847) 487-5401

SECTION 2 - COMPOSITION & INFORMATION ON INGREDIENTS

| NAME | CAS# | WT. | % TLV |
|------|------|-----|-------|
|------|------|-----|-------|

ClearClean® Train Wash is a proprietary composition NOT CONSIDERED HAZARDOUS under OSHA Hazard Communication Standard CFR Title 29 1910.1200

SECTION 3 - PHYSICAL & CHEMICAL PROPERTIES

| | | | |
|----------------------------------|------------------------------|--------------------------|----------------------------|
| Vapor Pressure: | < 0.01 mm Hg @ 68°F (20°C) | Boiling Point: | > 212°F (100°C) |
| Vapor Density (air = 1): | >1 | Flash Point: | > 212°F (100°C) |
| Specific Gravity: | 1.01 – 1.02 @ 68°F (20°C) | Freezing Point: | < 2°F (-17°C) |
| Solubility in Water: | Miscible | Viscosity: | 1.0 cps @ 68°F (20°C) |
| Volatile Organic Content: | None | Evaporation Rate: | <0.01 *N-butyl acetate = 1 |
| Appearance: | Translucent amber liquid | Weight: | 8.47 – 8.51 lb./ gallon |
| pH: | 6.3 - 7.2 Neat @ 68°F (20°C) | Odor: | Mild to none |

SECTION 4 - FIRE FIGHTING MEASURES

Flammable Properties: Non-Flammable
Flash point: > 212°F (100° C)
Method Used: Open Cup
Flammable Limits: Does Not Apply
Hazardous Combustion Products: None Known
Fire Fighting Measures: Wear self-contained breathing apparatus and protective clothing. Use water to cool containers. Turn off electrical service to eliminate source of ignition.

SECTION 5 - STABILITY & REACTIVITY

Hazardous Polymerization: Hazardous polymerization will not occur.
Materials to Avoid: Any contact with strong oxidizing and reducing agents.
Conditions to Avoid: See Section 11.
Hazardous Decomposition Products: Not Known.

SECTION 6 - HAZARDS IDENTIFICATION & FIRST AID MEASURES

HMIS® III HAZARD RATINGS

HEALTH – 1 FIRE – 0 PHYSICAL HAZARD – 0 PPE – A

Routes of Entry: Product may enter the body via eye and skin contact, and ingestion.

POTENTIAL HEALTH EFFECTS:

Eye: Eye contact may cause irritation. Avoid eye contact.

Skin: Prolonged skin contact may cause irritation. Avoid skin contact.

Ingestion: Swallowing product may cause irritation of mouth and throat. It may also cause nausea. Do not taste or swallow product.

Inhalation: If aerosol of neat product is inhaled seek medical attention if allergic response is exhibited.

FIRST AID MEASURES

Eye Contact: Immediately flush eyes with a directed stream of water for at least 15 minutes while forcibly holding eyelids open to ensure complete irrigation of all eye and eyelid tissue.

Skin Contact: Flush skin with water while gently rubbing the affected area. If clothing is penetrated remove clothing and flush skin with water as described. Wash clothing before reuse.

Ingestion: Give 2 glasses of water. Rinse mouth and throat thoroughly with water. Do not induce vomiting. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below the knees.

Inhalation: Remove to fresh air. Seek medical attention if allergic response is exhibited.

SECTION 7 - ACCIDENTAL RELEASE MEASURES

Any Spill: Contain spill. Use absorbent and sweep up material. Dispose in accordance with all applicable federal, state, and local health and environmental regulations. Rinse area with water.

SECTION 8 - TOXICOLOGICAL INFORMATION

Toxicity: Not applicable.

Pathogenicity: Not applicable.

Carcinogenicity: Not applicable.

SECTION 9 - ECOLOGICAL INFORMATION

This product is believed not to be dangerous to the environment with respect to mobility, persistency and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity. Product is readily biodegradable.

SECTION 10 - EXPOSURE CONTROLS & PERSONAL PROTECTION

Gloves: Prolonged exposure may cause sensitization therefore use of gloves is suggested.

Safety Glasses: Use of safety glasses is suggested when splashing of neat product may occur.

Inhalation: Avoid formation of aerosol of neat product. No respiratory protection is required for proper use.

SECTION 11 - STORAGE & HANDLING

Storage: Store product below 100°F (38°C) in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers, and out of direct sunlight. Do not allow product to freeze. For best results, use product within 12 months. Never co-mingle with bactericides or quaternary disinfectants as these degrade / inactivate enzymes.

General Precautions: Keep container closed when handling or storing. Keep out of reach of children or pets.

SECTION 12 - OTHER INFORMATION

Disclaimer: The information contained herein is based upon data available to us and reflects our best professional judgment. However, no warranty is expressed or implied regarding the accuracy of such information or the results obtained from the use thereof. EI assumes no legal responsibility whatsoever for any damage resulting from reliance upon this information since it is being furnished upon the condition that the person receiving it shall make his or her own determination of the suitability of the material described herein for a particular application or storage situation.