



Mi-T-M Corporation
 50 Mi-T-M Drive
 Peosta, IA 52068
 Phone: 563-556-7484

MI-T-M ALL PURPOSE CLEANER

1. Identification

Product Identifier: Mi-T-M ALL PURPOSE CLEANER
Application or recommended use: General purpose hard surface cleaner
Restrictions on use: Do not use in any fashion not specified on the product label.
Manufacturer / supplier: **Higley Industries, Inc.**
 585 Huff Street
 Dubuque, Iowa 52001
Emergency phone: INFO TRAC 800-535-5053

2. Hazards Identification

GHS Classification: Classification of this mixture in accordance with paragraph (d) of §1910.1200.

Skin Irritation Category 1
 Eye Irritation Category 1

Labeling:



Symbol:

Signal word: WARNING

Hazard statements: Causes skin irritation. Causes eye irritation.

Precautionary statements: Wash hands, face and any skin contact thoroughly after handling.
 Wear protective gloves/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a INFO TRAC or doctor/physician.
IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
 See 4. First-Aid Measures for specific treatment.

Other Hazards: Harmful if swallowed.

3. Composition / Information on Ingredients

Chemical characterization: Mixture of water, alkalis, detergents and auxiliary agents.
Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.

- 1 - <1% Sodium Nitrate CAS7632-00
- 1 - <2% IPA CAS 67-63-0
- 1 - 3% Tetrapotassium Polyphosphate CAS 7320-34-5
- 2 - 6% Proprietary Surfactant N/A
- 2 - 5% Proprietary Surfactant N/A
- 0 - 1% SxS 40% CAS 1300-72-7

Other ingredients (>1%):

- > 75% Water CAS 7732-18-5
- 0 - 1% Other Ingredients (<1%)

4. First-Aid Measures

Symptoms: Irritation of affected areas. Causes skin irritation and eye irritation.
 Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
Inhalation: Move person to fresh air. If respiratory irritation or dizziness occurs, seek immediate medical assistance.
Skin Contact: Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. If irritation occurs, get medical advice/attention.
Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Immediately call a Poison Center or doctor/physician.
Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration.
Note to Physician: Treat exposed patients symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Water fog. Alcohol resistant foam. Carbon Dioxide (Co2) powder.

Unsuitable Extinguishing Media: High pressure water jet. **Specific hazards in case of fire:** None known.

Special Fire Fighting Precautions: Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

6. Accidental Release Measures

Emergency Procedures: Depending on the extent of release, consider the need for restriction of access to spill area.

Personal Precautions: Do not eat, drink or smoke during clean up. Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up.

Environmental Precautions: Prevent spills from entering storm sewers/drains or contact with soil.

Clean up Methods: Small spills may be wiped up and rinsed with water. For larger spills, contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water. Follow good industrial hygiene practices. Report spills per U.S. Regulations (Cerda) N/A here.

7. Handling and Storage

Precautions for Safe Handling: Read label before use. Avoid contact with skin or eyes. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection, face protection. Use product only according to label directions. If unsure about safe use, contact your supervisor.

Conditions for Safe Storage: Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store in closed, original container in a cool dry area.

Incompatibility: Strong acids and oxidizers.

8. Exposure Controls / Personal Protection

Components with occupational exposure limits: OSHA (PEL): 500 ppm TWA; AC. NA here.

Engineering Controls: Proper ventilation in accordance with good industrial hygiene should be provided.

Personal Protective Equipment

Respiratory: Respiratory protection is not necessary under normal conditions of use.

Gloves: Use water impervious gloves (latex or vinyl). No breakthrough time has been established.

Eye Protection: Chemical resistant goggles or face protection.

Other: Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

9. Physical and Chemical Properties

Physical State	Liquid	Auto-ignition temperature	Not applicable
Color	Purple	Flash Point	None
Odor	Slight Alcohol	Flammability	Not applicable
Odor Threshold	No data available	Flammability Limits	Not applicable
Boiling Point	212°F	Partition coefficient	Not applicable
Decomposition temperature	No data available	Solubility (Water)	Complete
Freezing Point	32°F	Vapor Density	No data available
pH (Neat)	9.8 - 10	Vapor Pressure	No data available
pH (RTU)	9.8	Viscosity	Slightly viscous
Specific Gravity	1.008	VOC	0 (Excluding exempt material)
Evaporation Rate	Similar to water		

10. Stability and Reactivity

Reactivity: No specific reactivity test data is available for this mixture. Under normal conditions of storage and use, hazardous reactions are not expected. **Incompatible materials:** Strong acids and oxidizers.

Chemical stability: This product is stable at ambient temperatures and pressures.

Conditions to avoid: Temperatures above 50°C or below 10°C.

Hazardous decomposition products: None known.

11. Toxicological Information

Acute Toxicity: Toxicity data is not available for this mixture. Data below are estimates based on summation methods.

Test	Results	Classification	Basis (P 1910.1200 App A)
Oral	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Dermal	> 2000mg/kg	Not applicable	Ingredient literature (Additive formula)
Inhalation	> 20 mg/L	Not applicable	Ingredient literature (Additive formula)
Eye Irritation	Irritation	Category 1	Ingredient literature
Skin Irritation	Irritation	Category 1	Ingredient literature

Summary: Skin and eye contact are most likely routes of exposure. Exposure causes skin irritation and eye irritation.

11. Toxicological Information (cont.)

Subchronic/Chronic Toxicity:

Test	Results	Classification	Basis
Skin Sensitization	Not a sensitizer	Not applicable	Ingredient literature.

Summary: Repeated or prolonged contact causes skin irritation and eye irritation.

Carcinogens - Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA

Other data - No other toxicological information is available for this mixture.

12. Ecological Information

This material has not been tested for acute environmental effects.

Persistence and degradability: No data is available on degradability of this profile.

Bio-accumulative potential: No evidence to suggest bio-accumulation will occur.

Mobility: Accidental spillage may lead to penetration of soil and groundwater.

13. Disposal Considerations

Do not contaminate water, food or feed by disposal. If these materials cannot be disposed of by use according to label directions, contact your State Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. Rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

14. Transport Information

Proper Shipping Name: Not regulated	RQ - Not Applicable
Shipping emergency phone: 800-535-5053	
Transport hazard class: Not Applicable	Hazard Label: Not Applicable
Packing Group: Not Applicable	Emergency Guide No.: Not Applicable Marine Pollutant: No

15. Regulatory Information

Inventory status: All components are listed on TSCA(US), DSL(Canada).

OSHA Hazard Communication Standard: This product meets the §1910.1200 definition of a "Hazardous Chemical".

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Sections 311 and 312

Immediate (Acute) Health Hazard	Yes	Delayed (Chronic) Health Hazard	No
Fire Hazard	No	Reactive Hazard	Yes
Sudden Release of Pressure Hazard	No		

Superfund Amendments and Reauthorization Act of 1986 Title III (EPCRA) Section 313: Chemicals marked with an asterisk in "3.

Composition/Information on Ingredients" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

Pennsylvania/New Jersey/Massachusetts Right to Know: See "3. Composition/Information on Ingredients" for hazardous and top five ingredients over 1% (w/w).

California Proposition 65: This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

16. Other information

The data in this Material Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside of our control it should not be taken as warranty or representation for which **Higley Industries, Inc.** assumes legal responsibility. This information is provided solely for your consideration, investigation and verification.

