Manufactured For -

Mi-T-M Corporation
8650 Kapp Court
Peosta, IA 52068
Phone: 563-556-8866

SAFETY DATA SHEET

MI-T-M CONCENTRATED DECK AND HOUSE WASH

1. Identification

Product Identifier: MI-T-M DECK AND HOUSE WASH
Application or recommended use: Hard surface degreaser
Restrictions of use: Use as stated 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 OSHA 09CFR 1910.1200
Skin Irritation - Category 1
Eye Irritation - Category 1

Label Elements:

Symbol:

Signal word: WARNING
Hazard statements: Causes skin irritation and eye irritation.
Precautionary statements: Do not breathe mist/vapors/spray.
Wash hands, face and any skin contact thoroughly after handling.
Wear protective gloves/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
See 4. First-Aid Measures for specific treatment.
Store in a well-ventilated area.
Dispose of contents/container to an approved disposal facility.
Other Hazards: Harmful if swallowed.

3. Composition / Information on Ingredients

Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.
1 - 10% *2-Butoxyethanol . . . . . CAS 111-76-2
1 - 5% Sodium Metasilicate . . . . . CAS 6834-92-0
1 - 3% Sodium Tripolyphosphate . . . . . CAS 7758-29-4
1 - 6% Proprietary Surfactant . . . . . N/E

Other ingredients (>1%):
> 75% Water . . . . . CAS 7732-18-5

4. First-Aid Measures

Symptoms: Irritation, burning of affected areas. Causes severe skin burns and serious eye damage. 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. Call a poison control center or doctor for treatment advice.
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. Probable mucosal damage may contraindicate the use of gastric lavage.

Note to Physician: Treat exposed patients symptomatically.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Not applicable. Product is not a fire hazard.
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 emergency responders with adequate personal protective equipment for clean up, need for evacuation or 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. vinyl, latex). 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.

7. Handling and Storage

Precautions for Safe Handling: Read label before use. Avoid contact with skin or eyes. Do not breathe mist/vapors. 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 locked up in tightly closed, original container in a dry, well-ventilated area.
Incompatibility: None known.

8. Exposure Controls / Personal Protection

Components with occupational exposure limits: None

Component	Reference	TWA (8 hr)	PEL (8 hr)
2-Butoxyethanol	ACGIH	20 ppm (skin)	
	OSHA		50 ppm (skin)

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 rubber). 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
Color	Colorless
Odor	Mild
Odor Threshold	No data available
Boiling Point	212°F
Decomposition temperature	No data available
Freezing Point	32°F
pH (Neat)	12.0 - 13
Relative Density	1.022
Evaporation Rate	Similar to water
Auto-ignition temperature	Not applicable
Red Flash Point	- > 200°F (ASTM D3278)
Solvent Flammability	Not applicable
Flammability Limits	Not applicable
Partition coefficient	Not applicable
Solubility (Water)	100% at 20˚C (68˚ F) Literature
Vapor Density	No data available
Vapor Pressure	No data available
Viscosity	Water thin

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: 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	
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 Damage/Irritation	Irritation	Corrosion Category 1	Ingredient literature
Skin Damage/Irritation	Irritation	Category 1	Ingredient literature

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

11. Toxicological Information, cont'd

Subchronic/Chronic Toxicity:

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

Summary: Repeated or prolonged contact may cause skin burns 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: Material is not persistent. All organic components > 1% are readily biodegradable.
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

RCRA Class - D002. 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: N/A
Transport hazard class: N/A
Packing Group: N/A
RQ N/A
Hazard Label: Corrosive
Emergency Guide No.: N/A
Shipping emergency phone: 800-555-5053
Marine Pollutant: No

15. Regulatory Information

Inventory status: All components are listed on TSCA(US)
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**	No
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 four 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 **Highley Industries, Inc.** assumes legal responsibility. This information is provided solely for your consideration, investigation and verification.