

Michigan State Industries

SAFETY DATA SHEET

MSI-116 All Temp Rinse

Date 8/29/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

All Temp Rinse

Other Means of Identification

Product Code

8760

Recommended Use of the Chemical and Restrictions on Use

Recommended Use

Machine Dish Rinse

Details of the Supplier of the Safety Data Sheet

Manufacturer Address

Michigan State Industries
17600 Ryan Rd.
Detroit, MI. 48212

Emergency Telephone Number

Company Phone Number

313-368-3200

Emergency Telephone

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A

Signal Word

WARNING

Hazard Statements

Harmful if inhaled

Harmful if swallowed



Appearance Blue liquid

Physical State Liquid

Odor Alcohol

Precautionary Statements - Prevention

Do not taste or swallow.
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

If exposed or concerned, call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

Precautionary Statements - Storage

Store in a cool dry place. KEEP OUT OF REACH OF CHILDREN. Keep container tightly closed and in an upright position when not in use.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name	CAS No	Weight-%
Alcohols C6-10, ethoxylated propoxylated	68987-81-5	20 - 30
Isopropyl Alcohol	67-63-0	0 - 10

4. FIRST AID MEASURES

First Aid Measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Eye Contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Rinse mouth. Drink large quantities of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation occurs or persists, seek medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Irritation to eyes, redness tearing. Respiratory irritation may include cough, dizziness, drowsiness, headache, and sore throat.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water or suitable material for primary source of fire.

Unsuitable Extinguishing Media None Known

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products None known.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required.

Methods and Material for Containment and Cleaning Up

Methods for Containment Evacuate personnel to safe areas. Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal. Prevent entry into waterways, sewer, basements or confined areas.

Methods for Cleaning Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Do not taste or swallow.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. KEEP OUT OF THE REACH OF CHILDREN. Keep container tightly closed and upright when not in use.

Incompatible Materials Do not mix with other chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	200 ppm (TWA) 400 ppm (STEL)	400 ppm (TWA)	-

Appropriate Engineering Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection	Splash goggles or safety glasses.
Skin and Body Protection	Rubber or other impervious gloves.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on Basic Physical and Chemical Properties**

Physical State	Liquid	Odor	Alcohol
Appearance	Blue liquid	Odor Threshold	Not determined
Color	Blue		
Property	Values	Remarks • Method	
pH	7.0 - 8.0		
Melting Point/Freezing Point	Not available		
Boiling Point/Boiling Range	Not determined		
Flash Point	225° C / 437°F		
Evaporation Rate	1	Water = 1	
Flammability (Solid, Gas)	Not applicable		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.008		
Water Solubility	Soluble in water		
Solubility in Other Solvents	Not determined		
Partition Coefficient	Not determined		
Auto ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not an explosive		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions.

None under normal processing

Hazardous Polymerization	Hazardous polymerization does not occur.
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Conditions to Avoid

Excessive heat and contamination of any kind.

Incompatible Materials

Do not mix with any other chemical.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	May cause irritation to the mucous membranes and respiratory tract.
Eye Contact	Causes irritation.
Skin Contact	Causes irritation.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohols C6-10, ethoxylated propoxylated 68987-81-5	2000 mg/kg (Rat)	2000 mg/kg (Rabbit)	>50 mg/l (Rat) 4h
Isopropyl Alcohol 67-63-0	5050 mg/kg (Rat)	12800 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms	Prolonged exposure may cause drying or defatting of the skin. Mists and vapors may cause irritation of the eyes, mucous membranes, and upper respiratory tract. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity	No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, IARC, OSHA, or NTP.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Alcohols C6-10, ethoxylated propoxylated 68987-81-5	EC50 Algae 1 - 10 mg/l 120 h-	LC50 Pimephales promelas 1 – 10 mg.L 96 h	-	EC50 Invertebrates 1 - 10 mg/l 48h
Isopropyl Alcohol 67-63-0		LC50 Fish 9640 mg/l 96 h		EC50 Crustaceans 1400 mg/L 48h

Persistence and Degradability

Readily biodegradable.

Bioaccumulation

Not determined.

Mobility

Not determined.

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse packaging.

14. TRANSPORT INFORMATION

Note	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT	Not Regulated
IATA	Not Regulated
IMDG	Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA Reportable Quantity

No components are listed.

SARA 313

No ingredients contain chemicals that require reporting under SARA Title III Section 313.

US State Regulations

U.S. State Right-to-Know Regulations

The following ingredients have been listed:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X		X

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	B

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