

# SAFETY DATA SHEET

## MICHIGAN STATE INDUSTRIES STAINLESS STEEL CLEANER/POLISH 8797cs

Date 4/5/2023

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Stainless Steel Cleaner

Other Means of Identification

Product Code: 8797cs

Recommended Use of the Chemical and Restrictions on Use  
Recommended Use: Cleaning and polishing

Details of the Supplier of the Safety Data Sheet

Manufacturer Address: Michigan Chemical Products  
31400 Kendall "B"  
Fraser, MI 48026

Emergency Telephone Number  
Company Phone Number: 586-415-8891  
Emergency Telephone: INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

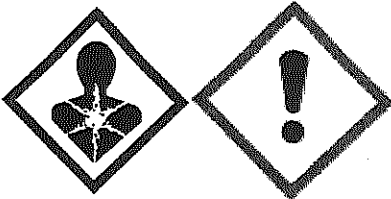
### 2. HAZARDS IDENTIFICATION

Classification

Aspiration Hazard	Category 1
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2 Sub-category A

Signal Word: DANGER

Hazard Statements: May be fatal if swallowed and enters airways  
Causes skin irritation and severe eye irritation



Appearance: White liquid

Physical State: Liquid

Odor: Slight Petroleum

**Stainless Steel Cleaner**

**Precautionary Statements - Prevention**

Do not taste or swallow.  
Do not breathe dust/fume/gas/mist/vapors/spray  
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

**Precautionary Statements - Response**

**IF SWALLOWED:** Call a POISON CENTER or doctor/physician. Drink a large quantity of water if able. Do NOT induce vomiting. If possible, do not leave individual unattended.  
**IF IN EYES:** Flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. 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

**Precautionary Statements - Storage**

Keep container tightly closed. Store in a cool dry place.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

COMPOSITION/INFORMATION ON INGREDIENTS		
Chemical Name	CAS No	Weight-%
Petroleum Distillates (Mineral Seal Oil)	64742-46-7	20 - 50
Tall Oil (Fatty Acid)	61790-12-3	0 - 5
Triethanolamine	102-71-6	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. If irritation persists or if contact has been prolonged, seek medical attention.
- Eye Contact** Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- Ingestion** Drink plenty of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician.
- Skin Contact** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Most Important Symptoms and Effects, both Acute and Delayed**

- Symptoms** May cause eye and skin irritation. Ingestion can cause irritation to the digestive tract or cause a laxative effect. This material can enter the lungs directly by aspiration and cause severe lung damage or death.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

- Note to Physicians** If ingested, this material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric

lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left lateral decubitus position.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, water or other extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None known.

**Specific Hazards Arising from the Chemical**

Burning can produce carbon monoxide, carbon dioxide, smoke, and fumes.

**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. Avoid contact with skin and eyes and inhalation of vapors. Evacuate personnel to safe areas. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent non-combustible 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**

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.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions**

Keep container tightly closed when not in use. Store in a cool dry place. Avoid contamination and extreme temperatures to minimize product degradation. For industrial and commercial use only. **KEEP OUT OF THE REACH OF CHILDREN.**

**Incompatible Materials**

Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

**Stainless Steel Cleaner**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum Distillates (Mineral Seal Oil) 64742-46-7	200 mg/m <sup>3</sup>	TWA 200 mg/m <sup>3</sup>	-
Triethanolamine 102-71-6	5 mg/m <sup>3</sup>	3 ppm	3 ppm-
<b>Appropriate Engineering Controls</b>			

**Engineering Controls** Good general ventilation should be sufficient for most conditions.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Splash goggles or safety glasses.

**Skin and Body Protection** Rubber gloves or other impervious gloves.

**Respiratory Protection** Room ventilation is expected to be satisfactory where this product is used.

**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**

<b>Physical State</b>	Liquid	<b>Odor</b>	Slight Petroleum
<b>Appearance</b>	White liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	8.0 – 9.0		
<b>Melting Point/Freezing Point</b>	Not available		
<b>Boiling Point/Boiling Range</b>	Not Determined		
<b>Flash Point</b>	264° F (129° C) - 275° F (135° C)	Closed Cup – Open Cup	
<b>Evaporation Rate</b>	<1	Water = 1	
<b>Flammability (Solid, Gas)</b>	Not applicable		
<b>Upper Flammability Limits</b>	Not determined		
<b>Lower Flammability Limit</b>	Not determined		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	Not determined		
<b>Specific Gravity</b>	1.003		
<b>Water Solubility</b>	Complete		
<b>Solubility in Other Solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Auto ignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Drums heated by fire may explode		
<b>Oxidizing Properties</b>	Not determined		
<b>% Volatile by Weight</b>	99.0		

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

## Stainless Steel Cleaner

### Possibility of Hazardous Reactions

Incompatible with strong oxidizing agents.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### **Conditions to Avoid**

Excessive heat, formation of oil mist.

### **Incompatible Materials**

Strong oxidizing agents.

### **Hazardous Decomposition Products**

Carbon monoxide and/or carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Inhalation** No significant or critical hazards.

**Eye Contact** May cause redness, tearing or blurred vision.

**Skin Contact** May cause dryness and irritation.

**Ingestion** May be fatal if swallowed and enters airways.

#### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum Distillates (Mineral Seal Oil) 64742-46-7	>5000 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
Triethanolamine 102-71-6	780 mg/kg (Rat)	13000 mg/kg (Rabbit)	No data available

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Harmful if swallowed. Irritating to the eyes. Product can enter the lungs directly by aspiration and cause severe lung damage or death.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

If ingested, this product presents a significant aspiration and chemical pneumonitis hazard. The symptoms of pneumonitis may not show up for a few days.

**Carcinogenicity** Not classified as a carcinogen per GHS criteria. Not classified as a carcinogen by NTP, IARC, or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Triethanolamine 102-71-6	EC50 Desnodesmus subspicatus 512 mg/l 72 h	LC50 Fathead Minnow 11,800 mg/L 96 h	Not Determined	EC50 Daphnia Magna 609.98 mg/L 48 h

**Persistence and Degradability**

Not available

**Bioaccumulation**

Not available

**Mobility**

Not available

**Other Adverse Effects**

No known significant effects or critical hazards.

**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.

**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**

**SARA 313**

No components listed

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Stainless Steel Cleaner

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6	X	X	X

**16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazards 1	Flammability 1	Instability 0	Special Hazards None known
<u>HMIS</u>	Health Hazards 1	Flammability 1	Physical Hazards 0	Personal Protection 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