

# Material Safety Data Sheet

WHMIS (Pictograms)

WHMIS (Classification)

HCS



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HCS CLASS: Corrosive liquid.

## Section 1. Chemical Product and Company Identification

Product Name/ Trade name	<b>PREFERENCE</b>	Code	167
Synonym	Natural Citrus Cleaner/Degreaser	CAS #	Not applicable.
Chemical Family	Not available.	Validation Date	2/8/2001
Chemical Formula	Not applicable.	Print Date	2/12/2001
Manufactured for	IFC Supply PO Box 266 Elkhart, IN 46515 (219) 296-7791	In Case of Emergency	(219) 296-7791
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL	DSL : All components listed unless noted elsewhere on this MSDS		
		<b>Protective Clothing</b> 	

## Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
1) Water	7732-18-5	>78	Not available.	Not available.
2) Sodium Metasilicate	6834-92-0	<10	Not available.	Not available.
3) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	<5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
4) Nonionic Surfactant	9016-45-9	<2	Not available.	Not available.
5) Cationic Surfactant	5197-80-8	<2	Not available.	Not available.
6) Nonionic Surfactant	61788-90-7	<1	Not available.	ORAL (LD50): Acute: 4610 mg/kg [Rat].
7) Perfume Oil	N/A	<1	Not available.	Not available.
8) Dye	N/A	<1	Not available.	Not available.

## Section 3. Hazards Identification

<b>Potential Acute Health Effects</b>	Corrosive to skin and eyes on contact. Skin contact may produce burns. May be irritating to the mucous membranes of the nose, throat and lungs.
<b>Potential Chronic Health Effects</b>	Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may result in skin burns and ulcerations.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

## Section 4. First Aid Measures

<b>Eye Contact</b>	Corrosive to eyes and skin. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Inhalation</b>	May be irritating to mucous membranes of the nose, throat, and lungs. Allow the victim to rest in a well ventilated area.
<b>Ingestion</b>	Do not induce vomiting. Drink a large quantity of water. Seek medical attention immediately.

### Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	N/A
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	N/A

### Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves.

### Section 7. Handling and Storage

Precautions	Keep locked up. Keep container dry. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid breathing vapors or spray mists. Keep out of reach of children. For Institutional and Commercial Use
Incompatibility	Strong acids.
Storage	Keep out of reach of children. Corrosive materials should be stored in a separate safety storage cabinet or room. For Institutional and Commercial Use

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls** Good general ventilation should be sufficient to control airborne levels.

**Personal Protection**

*Eyes* Splash goggles.

*Body* No special protective clothing is required.

*Respiratory* No special protective clothing is required.

*Hands* Gloves (impervious).

**Protective Clothing (Pictograms)**



**Exposure Limits** Not available.

### Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Pleasant.
Molecular Weight	Not applicable.	Taste	Not available.
pH	12.5 to 13.5 [Basic.]	Color	Orange.
Boiling/Condensation Point	214°F initial		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		

Specific Gravity	1.07 (Water = 1)
Vapor Pressure	20mm Hg @ 68°F
Vapor Density	>1 (Air = 1)
Volatility	85
VOC	Not available.
Evaporation Rate	(Water=1):<1
Odor Threshold	Not available.
LogK <sub>ow</sub>	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water.
Solubility	Easily soluble in cold water.
The Product is:	Non-flammable.
Auto-ignition Temperature	Not available.
Flash Points	None to Boiling (TCC)
Flammable Limits	Not Applicable
Fire Hazards in Presence of Various Substances	Non-flammable.
Explosion Hazards in Presence of Various Substances	Not Applicable

### Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Strong acids.
Hazardous Decomposition Products	Will not occur.

### Section 11. Toxicological Information

Routes of Entry	Eye Contact Ingestion. INHALATION Skin contact.
Toxicity to Animals	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).
Acute Effects on Humans	<p><i>Eyes</i> Severe eye irritant. May cause redness, swelling, or possible corneal injury.</p> <p><i>Skin</i> Skin contact may produce burns.</p> <p><i>Inhalation</i> Slightly irritating to the respiratory system.</p> <p><i>Ingestion</i> Irritating to the mouth, throat, and gastrointestinal system. Large doses may cause vomiting and diarrhea.</p>
Chronic Effects on Humans	Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may result in skin burns and ulcerations.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.



### Section 12. Ecological Information

Ecotoxicity	Not Available
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.


### Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.

### Section 14. Transport Information

DOT (U.S.A) (Pictograms)		
TDG Classification	8	
PIN UN, Proper Shipping Name, PG	Shipping name: Corrosive liquids n.o.s. UNNA: UN1760 PG: II	
Maritime Transportation	Not available.	
Special Provisions for Transport	Not available.	

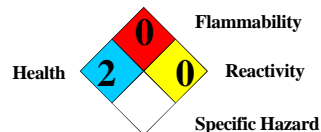
### Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification)	E	
Regulatory Lists	No products were found.	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	HCS (U.S.A.)	HCS CLASS: Corrosive liquid.
	USA Regulatory Lists	No components of this product are listed on California Prop 65
		SARA 311/312: Sodium Metasilicate SARA 313: No components were found.
	DSD (EEC)	R35- Causes severe burns.
International Regulations Lists	No products were found.	

**Hazardous Material  
Information System  
(U.S.A.)**

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

**National Fire  
Protection  
Association (U.S.A.)**



**Section 16. Other Information**

Validated by CRushton on 2/8/2001.

Verified by CRushton.

Printed 2/12/2001.

**Information Contact** IFC Supply  
PO Box 266  
Elkhart, IN 46515

Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

Validated on 2/8/2001.

**PREFERENCE**