

Material Safety Data Sheet  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements

U.S. Department of Labor  
 Occupational Safety and Health  
 Administration  
 (Non-Mandatory Form)  
 OMB no. 1218-0072

Identity (as used on Label & List) **STAINLESS STEEL TREATMENT**  
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is applicable the space must be marked to indicate that.

**Section I**

Distributor's Name: Duraclean International, Inc.	Emergency Telephone Number: 847-704-7100
Address (Number, Street): 220 Campus Drive	Telephone Number for information: 847-704-7100
Address (City, State & Zip Code): Arlington Heights, IL 60004	Date Prepared: January 21, 2011
Manufacturer's Name: Misco International Chemicals Wheeling, IL 60090 (3124379400-SST)	Signature of Preparer: Henry Hakewill, Jr. *Based upon information provided by Manufacturer.

**Section II - Hazardous Ingredients / Identity Information**

Hazard Components (Specific Chemical Identity): (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Opt.
Aliphatic Hydrocarbon Solvent		500 ppm		appr. 42
1,1,1,-Trichoroethane		350 ppm		appr. 35

Product contains above ingredients and other components that are not considered hazardous.

**Section III - Physical / Chemical Characteristics**

Boiling Point (°F)	N/A	Specific Gravity (H2O=1)	0.931
Vapor Pressure (mmHg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water  
Slight

Appearance and Odor  
Clear colorless liquid with lemon odor.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) 150°F	Flammable Limits (In air) N/A	LEL	UEL
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Extinguishing Media  
Carbon dioxide, dry chemical, foam

**Section IV - Fire and Explosion Hazard Data cont.**

**Special Fire Fighting Procedures**

Use self-contained breathing apparatus with full face piece operated in pressure demand or other positive mode.

**Unusual Fire and Explosion Hazards**

Product is combustible and can emit highly toxic and corrosive fumes.

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	Heat

**Incompatibility (Materials to Avoid)**

Oxidizing materials

**Hazardous Decomposition or Byproducts:** When heated to decomposition, can emit toxic fumes containing chlorides, phosgene, carbon monoxide & various hydrocarbons.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	N/A

**Section VI - Health Hazard Data**

Route(s) of Entry:            Inhalation?            Yes            Skin?            Yes            Ingestion?            Yes

**Health Hazards (Acute and Chronic)**

Contact with eyes or skin will cause irritation. Inhalation will cause dizziness, nausea & possible unconsciousness.

Carcinogenicity:            NPT?            IARC Monographs?            OSHA Regulated?  
N/A

**Signs & Symptoms of Exposure:** Severe eye irritation. Eye contact will produce strong transitory irritation. Defatting, redness, irritation & dermatitis of skin. Excessive inhalation of vapors can cause dizziness, nausea or possible unconsciousness.

**Medical Conditions**

Generally Aggravated by Exposure  
Dermatitis, breathing difficulties.

**Emergency and First Aid Procedures**

Eye contact: immediately flush eyes with water for 15 minutes & obtain prompt medical attention. Skin contact: immediately flush skin with large amounts of water & consult a physician if symptoms persist. Remove contaminated clothing & shoes & wash clothing before reuse. Inhalation: remove to fresh air promptly. In unconscious, obtain immediate medical

Emergency and First Aid Procedures cont.  
attention. Ingestion: call a physician immediately.

**Section VII - Precautions for Safe Handling and Use**

**Steps to be Taken in Case Material is Released or Spilled**

Eliminate all ignition sources such as flares, flames, pilot lights, sparks & smoking. Stop spill at source by diking area. If large spill, pump into tank, spread sand or absorbent material to pick up. If small spill, allow volatile portion to evaporate from cleaning rags until completely dry & place in waste container. Flush surface with water.

**Waste Disposal Method**

Follow Federal, State and Local regulations.

**Precautions to be Taken in Handling and Storing:** store full containers in a cool, dry area not to exceed 100°F for long periods of time. Empty containers from this material may be

hazardous & therefore all the above precautions should be observed.

**Section VIII - Control Measures**

**Respiratory Protection (Specify Type):** in an emergency situation, spill or fire, use self-contained breathing apparatus with full facepiece operated in pressure demand or other positive mode.

Ventilation	Local Exhaust: adequate	Special: N/A
	Mechanical (General): adequate	Other: N/A
Protective Gloves: rubber	Eye Protection: goggles or face shield	

**Other Protective Clothing or Equipment**  
aprons, boots, jacket & trousers made of solvent-resistant material.

**Work/Hygienic Practices**

Avoid eye & skin contact. Read & follow all instructions on the label.

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