

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)

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.

Sealer

**Section I**

Manufacturer'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: November, 1985  
 Revised: September 2, 1987

Signature of Preparer:  
 Henry Hakewill, Jr.

**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.
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Trichloroethylene	Ethylene Trichloride	100 ppm		
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Product is a latex adhesive in above solvent. Not Estab.

**Section III - Physical / Chemical Characteristics**

Boiling Point (°F) Trichloroethylene	189	Specific Gravity (H2O=1)	1.15
Vapor Pressure (mmHg) Trichloroethylene	100	Melting Point	N/A
Vapor Density (AIR = 1) Trichloroethylene	4.53	Evaporation Rate (Water) Trichloroethylene	4.46

Solubility in Water  
 Not soluble, but can be dispersed in water.

Appearance and Odor  
 Off-white pastry fluid with a solvent odor.

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

Flash Point (Method Used)	Flammable Limits	LEL	UEL
None	N/A		

Extinguishing Media  
 Water, Foam, Dry Powder, CO2

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

**Special Fire Fighting Procedures**

Wear self-contained breathing apparatus. Keep containers cool with water spray to prevent rupture.

**Unusual Fire and Explosion Hazards**

Solvent vapors and chlorine fumes will be present. Close containers may rupture forcefully due to pressure buildup when exposed to extreme heat. Solvent used in this product is corrosive to aluminum and may react vigorously with it.

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

**Incompatibility (Materials to Avoid)**

Aluminum

**Hazardous Decomposition or Byproducts**

Carobon monoxide, carbon dioxide, and chlorine at elevated temperatures.

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
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**Health Hazards (Acute and Chronic)**

Solvent vapors will cause acute irritation of eyes, and contact may result in severe irritation. Contact of product with skin will cause de-fatting and chronic dryness if prolonged or repeated, Inhalation of solvent vapors will irritate breathing tract. Ingestion will cause gastro intestinal discomfort and irritation of mucous membranes.

Carcinogenicity: N/A	NPT?	IARC Monographs?	OSHA Regulated?
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**Signs & Symptoms of Exposure**

Dry skin, itchiness, burning sesation in nose and eyes, headache, drowsiness, nausea and dizziness.

**Medical Conditions**

Generally Aggravated by Exposure  
Dermatitis and breathing problems.

**Emergency and First Aid Procedures**

Eyes: Immediately flush with water for 15 minutes. If irritation persists, consult a physician.

Skin: Wash off with soap and water.

Inhalation: Remove to fresh air and obtain medical attention if necessary.

Emergency and First Aid Procedures cont.

Ingestion: Give large quantities of water, induce vomiting and get immediate medical attention.

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

Steps to be taken in Case Material is Released or Spilled.

For small quantities: Blot up with cloths or paper towel. For large quantities: Provide maximum ventilation. Soak up spill with inert absorbant material and shovel into a drum. Seal and remove from work area. Clean up residual material with soap and water.

Waste Disposal Method

Dispose of sealed drums in accordance with all local, state and federal environmental regulations.

Precautions to be Taken in Handling and Storing

Use only with adequate ventilation. Store at room temperature away from heat sources. Protect from temperatures below 50° F.

### Section VIII - Control Measures

Respiratory Protection (Specify Type)

In production or when using with inadequate ventilation, wear mask approved for organic vapors.

Ventilation	Local Exhaust: If adequate, good natural draft is preferred.	Special N/A
	Mechanical (General) May be employed in production or emergency situations.	Other Keep vapor concentration in air well below 100 ppm

Protective Gloves: Production personnel should wear polyvinyl chloride gloves.

Eye Protection: Production personnel should wear safety goggles with sideshields.

Other Protective Clothing or Equipment

Eyewash Fountain

Work/Hygienic Practices

DO NOT take internally. Wash hands after handling and before eating.