

# MATERIAL SAFETY DATA SHEET

Complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200

## IDENTITY

Patina Stain - ~~XXXX~~ all colors

## N.F.P.A. & H.M.I.S. RATING

### HAZARD INDEX

4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

### HAZARD CLASS

Flammability  
0  
Health      Reactivity  
3              1  
Special Note

## SECTION I - MANUFACTURER

SYMONS CORPORATION  
200 E. Touhy Avenue  
Des Plaines, IL 60018

Emergency Contact  
800-424-9300  
Information Contact  
847-298-3200

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENT
Inorganic salts/acids				
Hydrogen Chloride CAS# 7647-01-0	5 ppm	5 ppm	NA	9
Sodium Dichromate CAS# 10125-13-1	1.0 Mg/m <sup>3</sup>	1.0 Mg/m <sup>3</sup>	NA	17-19
Manganese Chloride CAS# 7773-01-5	5.0 Mg/m <sup>3</sup>	5.0 Mg/m <sup>3</sup>	NA	17-19

None of the remaining components of the mixture are considered Hazardous Material or carcinogens (1910.1200 Hazard Communication (d)(4)). Identity withheld as a trade secret.

### TRANSPORTATION INFORMATION:

Labeling Requirements: None per 172.400(b) table.

Marking Requirements: Mark with proper shipping name and identification number

Shipping Description: Hydrochloric Acid, Solution, 8, UN 1789, PG II, Guide #60

Emergency Response Guide: 27

National Motor Freight (NMF-100-0): Paint and Related Materials (paint, stain or varnishes, NOI)  
Item 149980    Class: LTL= 55    TL= 35

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 215°F  
Vapor Pressure (mm Hg): = H<sub>2</sub>O  
Vapor Density (Air = 1): = H<sub>2</sub>O  
Solubility: Miscible  
Appearance: Dark amber, chlorine odor

Specific gravity (H<sub>2</sub>O=1): 1.0-2.0  
Melting point: NA  
Evaporation (Butyl Acetate = 1): 0.1

### SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Tag Closed Cup): NA  
Flammable Limits: NA  
Extinguishing Media: Dry chemical, foam or CO<sub>2</sub>  
Special Fire Fighting Procedures: Use self-contained breathing apparatus. Extinguish fire using suitable agents.  
Unusual Fire and explosion Hazards: Hydrogen gas may form explosive mixture in the air. At high temperatures toxic corrosive fumes of anhydrous gas may be emitted.

### SECTION V - REACTIVITY DATA

Stability: Stable.  
Conditions to Avoid: Heat and open flame.  
Incompatibility (Materials to Avoid): Contact with common metals, including aluminum or magnesium, may produce hydrogen which may form explosive mixtures in the air.  
Hazardous Decomposition (Byproducts): May form toxic and hazardous gases including fumes of hydrogen chloride and oxides of copper.  
Hazardous Polymerization: Will not occur under normal temperatures and pressures.

### SECTION VI - HEALTH HAZARD DATA

#### ROUTES OF ENTRY

Inhalation? Yes    Skin? Yes    Ingestion? Not expected.

#### HEALTH HAZARDS (ACUTE AND CHRONIC)

Skin Contact: Severe irritation, inflammation, ulceration, necrosis and burns with permanent damage.  
Eye Contact: May cause severe irritation, impairment and permanent damage.  
Inhalation: Burning sensation in the throat, coughing and choking.  
Ingestion: Burns of the mouth, throat, esophagus and stomach with consequent pain, uneasiness, nausea, vomiting, diarrhea, chills and intense thirst.  
Carcinogenicity: See Below    NTP? No    IARC Monographs? No    OSHA Regulated? No

#### EMERGENCY AND FIRST AID PROCEDURES

Skin: Remove contaminated clothing and rinse affected area for at least 20 minutes. Thoroughly wash with soap and water until no evidence of chemical remains. For chemical burns, cover area with proper dressing and bandage. Call a physician.

Eyes: Flush with water for 20 minutes lifting upper and lower lids occasionally. Continue irrigation with normal saline until the pH has returned to normal. Call a physician.

Inhalation: Remove from work area to fresh air. Administer artificial respiration if necessary. Call a physician.

Ingestion: Drink large amounts of water or milk to dilute acids. If vomiting persists, take fluids repeatedly. Ingested acid must be diluted 100:1 to render harmless to tissues. Call a poison center or physician.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Spills may be absorbed using cement powder or fly ash and shoveled into containers. Neutralize spills with lime, sodium bicarbonate or crushed limestone and prevent runoff. Notify proper authorities if runoff should occur.

Waste Disposal Method: Small spill - Dispose of material in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing: Keep away from all ignition sources (heat, flame, sparks and strong oxidizers). Store in safety containers. Use only in well ventilated areas.

Other Precautions: Do not cut empty steel containers with a torch.

## SECTION VIII - CONTROL MEASURES

HMS Personal Protection Index: "J"

Respiratory Protection: A NIOSH/MSHA approved respirator is advised in the absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical ventilation to meet published exposure limits.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Chemical splash goggles or face shield to protect against accidental exposure.

Other Protective Clothing or Equipment: Chemically resistant apron. Safety showers and eye wash stations should be available.

Work/Hygienic Practices: Wash thoroughly with soap and water before eating, smoking or using washroom. Remove contaminated clothing and wash before re-use.

*Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Symons Corporation makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Symons Corporation be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers.*

SYMONS CORPORATION

DATE: 3/97