



MATERIAL SAFETY DATA SHEET

Copyright: 1996

Effective Date: 1/1/08 Supercedes: 6/1/07

Emergency #: 405-745-2070

SECTION I. IDENTIFICATION

PRODUCT NAME: **iRestore™ Restoration Cleaner**

PRODUCT USE/CLASS: Restoration Detergent Liquid

PROCESSORS NAME: Chemical Products Industries, Inc., 7649 Southwest 34th Street,
Oklahoma City, OK 73179, (800) 624-4356

SECTION II. COMPONENTS

<u>INGREDIENTS</u>	<u>CAS NUMBER</u>
Strong Acid Solution Cleaner	Proprietary
Hydrogen Chloride	7647-01-0

Exposure Limits

ACGIH	OSHA
TLV-TWA TLV-STEL	PEL-TWA PEL-STEL
N.D. N.D.	N.D. N.D.
N.D. 2 ppm	N.D. 5 ppm

SECTION III. HEALTH HAZARDS

EMERGENCY OVERVIEW: Causes eye irritation. May cause slight skin irritation. Not corrosive to skin. May cause respiratory irritation. This product is corrosive to aluminum. Store and ship in non-aluminum containers.

EFFECTS OF EXPOSURE:

- EYE CONTACT: Irritating to the eyes. Contact with eyes can cause permanent eye damage.
- SKIN CONTACT: Not determined. May cause slight skin irritation.
- INHALATION: May cause respiratory irritation.
- INGESTION: Ingestion may cause burns to the mouth, throat, esophagus and stomach.
- CHRONIC HAZARDS: Not determined.

PRIMARY ROUTE OF ENTRY: SKIN CONTACT, INHALATION, INGESTION, EYE CONTACT

SECTION IV. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

- EYE: Immediately flush eyes with running water for at least 15 minutes. Get immediate medical attention.
- SKIN: Immediately flush skin with water for at least 15 minutes while removing contaminated clothing. Wash with plenty of soap and water including hair and under fingernails. Do not apply any medicating agents except on the advice from a physician. Get immediate medical attention.
- INHALATION: Move victim from contaminated area to fresh air. If not breathing, apply artificial respiration, preferably by mechanical means. Avoid mouth to mouth resuscitation. If breathing is difficult, give oxygen. Get immediate medical attention.
- INGESTION: Do not induce vomiting. If victim is fully conscious, give a large quantity of water. Contact a physician, hospital or poison center immediately. Do not give anything by mouth to an unconscious

person. To ensure airway is open, position with head lower than body and transport immediately to a medical facility.

SECTION V. FIRE HAZARD DATA

FLASH POINT: > 200 F
(TAGLIABUE CLOSED CUP)

LOWER EXPLOSIVE LIMIT: N.D.
UPPER EXPLOSIVE LIMIT: N.D.

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPOSION HAZARDS: None known.

SPECIAL FIREFIGHTING PROCEDURES: Wear full protective clothing and positive pressure, self-contained breathing apparatus (SCBA). Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated building, area and equipment until decontaminated.

Product contains hydrochloric acid and can release hydrogen gas which may become flammable.

OTHER: Prolonged contact on certain metals could cause corrosion or etching to occur.

SECTION VI. SPILL, LEAK & DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear chemical safety glasses with side shields or chemical goggles, rubber gloves, rubber boots, long-sleeved shirt, long pants and a NIOSH-approved chemical cartridge respirator with either P-100 or P-95 pre-filters or use a positive pressure self-contained breathing apparatus (SCBA). Cover and contain spill with an absorbent material such as pet litter, sand or vermiculite. Sweep up and place in an approved chemical container. Neutralize the spill area with an alkaline detergent solution, absorb with inert material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove residue. Sweep powders carefully minimizing dusting. Place all spill and contaminated materials into chemical containers and follow disposal instructions. Cover and contain spill with absorbent and sweep up.

WASTE DISPOSAL METHOD: Consult federal, state and local regulations in your area.

SECTION VII. HANDLING AND STORAGE

HANDLING: Do not take internally. Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Avoid contact with eyes, skin and clothing. Avoid inhalation of dusts or vapors. Wear appropriate chemical protective clothing and equipment. Always wash thoroughly after handling. Handle with care and avoid contact.

STORAGE: Store only in approved containers. Keep container closed when not in use. Storage temperature should be above freezing and below 120°F.

SECTION VIII. PERSONAL PROTECTION

VENTILATION: Local exhaust ventilation is recommended.

RESPIRATORY PROTECTION: None needed if exposure limits are not exceeded.

SKIN PROTECTION: Wear rubber gloves that are chemical resistant to the material.

EYE PROTECTION: Wear safety glasses with side shields or safety goggles.

OTHER: Wash contaminated clothing before reuse. Do not take internally.

SECTION IX. - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Slightly yellow/orange

PHYSICAL STATE:	Liquid
ODOR:	Slightly acid
pH: (Typical)	2.0
BOILING RANGE:	N.D.
VISCOSITY:	N.D.
EVAPORATION RATE (Butyl Acetate = 1)	Slower than butyl acetate
SPECIFIC GRAVITY (H ₂ O = 1):	1.14
SOLUBILITY IN WATER, by wt.:	100 %

SECTION X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Not known.

INCOMPATIBILITY: Strong oxidizing agents. Strong acids and bases.

HAZARDOUS DECOMPOSITION: Thermal decomposition products may include, but is not limited to Oxides of carbon. Flammable hydrogen gas can be generated when this product is reacted with certain metals.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI. TOXICOLOGICAL INFORMATION

No product animal LD50 or LC50 information is available.

SKINTEX DATA: No information.

SECTION XII. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N.D.

All ecological test results are based on the active ingredients in the product.

SECTION XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Consult federal, state and local regulations in your area. Disposal of the waste is the responsibility of the generator.

SECTION XIV. TRANSPORT INFORMATION

DOT SHIPPING NAME: Cleaning Liquid. Not regulated by DOT

SECTION XV. REGULATORY INFORMATION

US FEDERAL REGULATIONS:

SARA SECTION 311/312: IMMEDIATE HEALTH HAZARD

SARA SECTION 313:

CHEMICAL NAME	CAS
Hydrogen Chloride	7647-01-0

TOXIC SUBSTANCES CONTROL ACT: All components of this product are listed on the TSCA Inventory.

NEW JERSEY RIGHT-TO-KNOW:

The following regulated components are present:

CHEMICAL NAME	CAS
Strong Acid Solution Cleaner	Proprietary
Hydrogen Chloride	7647-01-0

PENNSYLVANIA RIGHT-TO-KNOW:

The following components are present at greater than 3%:

CHEMICAL NAME	CAS
Strong Acid Solution Cleaner	Proprietary
Hydrogen Chloride	7647-01-0

CALIFORNIA PROPOSITION 65: Not Applicable

HAZARDOUS AIR POLLUTANTS (HAP):

This product contains a component that is considered HAP:

CHEMICAL NAME	CAS
Hydrogen Chloride	7647-01-0

NC TOXIC AIR POLLUTANT (TAP):

This product contains a component that is considered TAP:

CHEMICAL NAME	CAS
Hydrogen Chloride	7647-01-0

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE (EHS):

This product contains a component that is considered EHS:

CHEMICAL NAME	CAS	EHS RQ (lbs)
Hydrogen Chloride	7647-01-0	5000.00

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

German Consumer Protection Act – Approved.

Oeko-Tex Standard 100 – Approved.

OTHER: Components of this product are Canadian DSL listed.

SECTION XVI. OTHER INFORMATION

HMIS RATINGS – HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

DATE: 1/1/08

SUPERCEDES: 6/1/07

VOLATILE ORGANIC COMPOUNDS (VOCS) : <1.0%

LEGEND: N.A. – NOT APPLICABLE, N.D. – NOT DETERMINED

OTHER INFORMATION: No Information

All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC.

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