

# MATERIAL SAFETY DATA SHEET

Identity (as used on label and list):

**CLEAN ACT RE-STORZ-IT!**

## Section 1

Manufacturer's Name

**Advanced Chemical Technologies, Inc.**

Address

**100 West Wilshire Blvd., Suite C-1**

**Oklahoma City, Oklahoma 73116**

Emergency Telephone Number

**(800) 255-3924**

Telephone Number for Information

**(405) 843-2585**

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## Section 2 - Hazardous Components / Identity Information

Hazardous Components: Specific Chemical Identity

OSHA (ACGIH) Exposure Limits

TLV's (ACGIH)

TWA (ppm) mg/m3 STEL(ppm) mg/m3 Other 1

**Phosphoric Acid - CAS No. 7664-38-2 <10% w/w**

**1**

**3 Corrosive**

**Hydrofluoric Acid - CAS No. 7664-39-3 <10% w/w**

**3**

**2.6**

**ACGIH 3ppm**

**Ceiling**

(Proprietary Formulation)

**Corrosive**

## Section 3 - Physical / Chemical Characteristics

Boiling Point: **212 Deg F**

Specific Gravity(Water = 1): **1.10 @ 20/20 Deg C**

Freezing/Melting Point: **NE**

Viscosity (CPS): **NA**

Vapor Pressure (mm Hg): **NA**

Molecular Weight: **NE**

Vapor Density (Air = 1): **NE**

Evaporation Rate (Butylacetate = 1): **>1 (Water = 1)**

Solubility in Water: **Complete**

pH (Concentrate): **<1.0**

Appearance and Odor: **Liquid, Clear, Pungent**

## Section 4 - Fire and Explosion Data

FLAMMABILITY: **NFPA 1**

Flash Point (Method Used):

**>200 Calculated**

LEL

UEL

Explosion Limits:

**NA**

**NA**

Autoignition Temperature: **NA**

Fire Hazard Classification (OSHA/NFPA): **1**

Extinguishing Media: **As required for fire being fought**

Special Fire Fighting Procedures:

**Water may cause frothing, Use self-contained breathing apparatus**

Other (specify) **None known**

Unusual Fire and Explosion Hazards:

**None Known**

## Section 5 - Reactivity Data

REACTIVITY: **NFPA 2**

Stability:

Unstable:

Conditions Contributing to Instability: **Contamination**

Stable:

**X**

Incompatibility - Avoid Contact with: **Strong Alkalis, Strong Oxidizers** Other(Specify): **None Known**

Hazardous Decomposition Products - Thermal and other (List): **None Known**

Conditions to Avoid: **Open Flames**

Other: (Specify) **None Known**

**Section 6 - Health Hazard Data**

HEALTH: NFPA 3

Health Hazards (Acute and Chronic):

Irritation: **Skin - Severe    Eye - Severe**Corrosivity: **Skin                      Eye - May Cause Blindness**Sensitization: **Not Known**Inhalation Effects: **Not Known**Lung Effects: **Corrosive**Other Specify: **Repeated Contact Skin Defatter**

Emergency and First Aid Procedures:

Ingestion: **Don't Induce Vomiting, Give Plenty of Water, Get Medical Attention****Never Give Anything to an Unconscious Person****Eyes: Flush with Water for 15 Minutes, Lift and Separate Lids While Flushing, Get Medical Attention****Skin: Flush with Soap and Water, Contaminated Clothing - Removed and Launder, Contaminated****shoe - Destroy, Get Medical Attention****Inhalation: Remove to Fresh Air, If not Breathing Give Artificial Respiration, Get Medical Attention****Section 7 - Precautions for Safe Handling and Use**Precautionary Labeling: **Wash After Handling, Don't get in Eyes, Skin, Clothing, Don't Breathe Dust, Gas, Vapor, Keep Container Closed, Store in Tightly Closed Container, Empty Container May Contain Hazardous Residue, Keep away from heat, sparks, and open flames, Don't store near combustibles.****Keep from contact with clothing,**Other Handling and Storage Conditions: **Do Not Smoke when Handling Chemicals, Keep Out of Reach of Children.****Section 8 - Personal Protection/Exposure Controls**Ventilation Requirements - **Always Keep Exposure Below Permissible Exposure Limits****Use Adequate Ventilation**Respiratory: **Not Normally Required when Used as Directed.**Hand: **Butyl Rubber, Natural Rubber**Eye Protection: **Face Shield and Goggles**

Other Protective Clothing or Equipment:

**Rubber Boots, Apron**

Work / Hygienic Practices:

**Safety shower and eyewash****Section 9 - Accidental Release Measures**

Steps to be Taken if Material is Released or Spilled:

**Absorb with Sand or Inert Material, Neutralize, Sweep or Scoop Up and Remove, Keep Upwind****Prevent Spills, Dispose of Promptly****In accordance with Federal, State and Local regulations**

**Section 10 - Toxicological Properties**

Acute Toxicity Effects Data

**Extremely irritating and corrosive to skin and mucous membranes. Inhalation of vapor may cause ulcers of upper respiratory tract. Can produce severe skin burns which may not be immediately visible or painful.**

**Oral: Corrosive to tissue and mucous membranes**

**Dermal: Corrosive to tissue, Causes burns which may not be immediately apparent.**

**Eye: Corrosive, Causes burns/blinding**

**Inhalation: Vapors may be corrosive**

Other Acute Effects

**Produces severe skin burns which are slow to heal. Hydrofluoric sol'n will penetrate skin & attack underlying tissues & bone. Affected tissue may become blanched & bloodless. Gangrene of affected area may follow. Symptoms may be corneal burns, pain behind breastbone, cough, spitting blood, difficult breathing, shock, muscle spasms, convulsions or death.**

Chronic/Subchronic Data

**As soon as possible after washing, burned area should be immersed in sol'n of 0.2% iced benzethonium chloride or 0.13% iced aqueous benzalkonium chloride. If immersion not practical, towels should be soaked with one of the above sol'ns & used as compresses for burned areas. Change compresses every two minutes until physician arrives.**

**Section 11 - Disposal Considerations**

Waste Disposal Method:

**In Accordance with Federal, State and Local Regulations**

**Section 12 - Transportation Information**

**Corrosive Liquids, n.o.s.**

**(Contains Phosphoric Acid and Hydrofluoric Acid)**

**8, UN1760, PG-II**

**Corrosive Label/Placard Required**

NE = Not Established    NA = Not Applicable

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.