

# MATERIAL SAFETY DATA SHEET

Identity (as used on label and list):

**CLEAN-ACT™ DUZ-ALL**

## **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

**Citric Acid - CAS No. 77-92-9 <10% w/w**

**Glycolic Acid - CAS No. 79-14-1 <20% w/w**

**Phosphoric Acid - CAS No. 7664-38-2 <20% w/w**

**1**

**3 ACGIH**

(Proprietary Formulation)

## **Section 3 - Physical / Chemical Characteristics**

Boiling Point: **212 Deg F**

Freezing/Melting Point: **<32 Deg F**

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

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

Solubility in Water: **Complete**

Appearance and Odor: **Liquid, Clear, Mild odor**

Specific Gravity(Water = 1): **1.16 @ 20/20 Deg C**

Viscosity (CPS): **NA**

Molecular Weight: **NE**

Evaporation Rate (Butylacetate = 1): **<1,0 (Water = 1)**

pH (Concentrate): **<1**

## **Section 4 - Fire and Explosion Data**

Flash Point (Method Used):

**None NA**

Autoignition Temperature: **NA**

Fire Hazard Classification (OSHA/NFPA): **0**

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**

**FLAMMABILITY: NFPA 0**

LEL

UEL

**NA**

**NA**

Explosion Limits:

## **Section 5 - Reactivity Data**

Stability:

Unstable:

Stable:

**X**

Conditions Contributing to Instability: **None Known**

Incompatibility - Avoid Contact with: **Strong Alkalis**

Other(Specify): **None Known**

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

Conditions to Avoid: **None Known**

Other; (Specify) **None Known**

**REACTIVITY: NFPA 0**

**Section 6 - Health Hazard Data**

HEALTH: NFPA 2

Health Hazards (Acute and Chronic):

Irritation: **Skin - Moderate**      **Eye - Moderate**Corrosivity: **Skin**      **Eye - May Cause Blindness**Sensitization: **Not Known**Inhalation Effects: **Not Known**Lung Effects: **Not Known**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, 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 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:

**Flush with water, Absorb with Sand or Inert Material, Neutralize, Sweep or Scoop Up and Remove, Keep upwind, Prevent Spills, Dispose of Promptly****Section 10 - Toxicological Properties**

Acute Toxicity Effects Data

Oral: **Corrosive may cause burns**Dermal: **Corrosive**Eye: **Corrosive, Corneal burns**Inhalation: **Severe irritation**Note: **This product is not considered to be a carcinogen by NTP, IARC, OSHA or EPA****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: Citric Acid, Glycolic Acid and Phosphoric Acid)**

**8, UN1760, PG-III**

**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.