

MATERIAL SAFETY DATA SHEET

Identity (as used on label and list):

CLEAN-ACT™ ASSR

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

Date Prepared: **February 1, 2010**

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

Hydrochloric Acid - CAS No. 7647-01-0 >20% w/w

7.5

2 8 HR TWA

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

1

3 Corrosive

(Proprietary Formulation)

Section 3 - Physical / Chemical Characteristics

Boiling Point: **212 Deg F**

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

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

Viscosity (CPS): **NA**

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

Molecular Weight: **NE**

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

Evaporation Rate (Butylacetate = 1): **<1.0 (Water = 1)**

Solubility in Water: **Complete**

pH (Concentrate): **<1**

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

Section 4 - Fire and Explosion DataFLAMMABILITY: **NFPA 0**

Flash Point (Method Used):

LEL

UEL

None NA

Explosion Limits:

NA**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 apparatusOther (specify) **None known**Unusual Fire and Explosion Hazards: **None Known****Section 5 - Reactivity Data**REACTIVITY: **NFPA 0**

Stability:

Unstable:

Conditions Contributing to Instability: **None Known**Stable: **X**Incompatibility - Avoid Contact with: **Strong Alkalis** Other(Specify): **None Known**Hazardous Decomposition Products - Thermal and other (List): **None Known**Conditions to Avoid: **None Known****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 Seperate 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 Breath Dust, Gas, Vapor, Keep Container Closed, Store in Tightly Closed Container, Empty Container May Contain****Hazardous Residue**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

Irritation Effects Data

Not Known

Other Acute Effects

Not Known

Chronic/Subchronic Data

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 Phosphoric Acid and Hydrochloric 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.