



MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 03/08/00

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME: **ADENA 5511 AD5511** CHEMICAL FAMILY:
GENERIC NAME: FORMULA: PROPRIETARY
SUPPLIER'S NAME: ADENA TECHNOLOGIES PHONE NUMBER: (888) 247-2312
SUPPLIER'S ADDRESS: 101 Technology Lane EMERGENCY NO.: (800) 255-3924
Export, PA 15632
SHIPPING NAME: CONSUMER COMMODITY (ORM-D)

NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING
HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
MAX PERSONAL PROTECTION	- -

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SEC. 313	PEL	TWA-TLV	STEL-TLV
Sulfuric Acid	No	7664-93-9	<5	Yes	1mg/m3	1mg/m3	
2-Phosphono-1, 2, 4-Butantricarboxylic Acid	No	37971-36-1	<10	No	Not Est.	Not Est.	

SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 212°F (100°C)
VAPOR PRESSURE: ND
VAPOR DENSITY: >1
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY @20°C: 1.12
pH RANGE: 2.4
EVAPORATION RATE (Water=1): < 1
VOLATILE RATE: 85%
PHYSICAL DESCRIPTION: Yellow to blue green liquid with mild odor.

SECTION 3 - FIRE/EXPLOSION HAZARD DATA

AUTO IGNITION TEMP: N/A
FLASH POINT: N/A
FLAMMABILITY LIMITS: N/A
EXTINGUISHER MEDIA: Not combustible
HAZARDOUS PRODUCTS OF COMBUSTION: N/A
EXPLOSIVE LIMITS: N/A
SPECIAL FIRE FIGHTING PROCEDURES: N/A

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable
INCOMPATIBILITY: N/A
CONDITIONS TO AVOID: Temperatures above 212°F (100°C).
HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials, carbon monoxide, and carbon dioxide upon burning after water loss.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTES OF ENTRY:	FIRST AID PROCEDURES:
SKIN: May cause irritation upon contact, burns upon extended contact.	SKIN: Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.
EYES: May cause irritation and burns upon contact.	EYES: Immediately flush with large amounts of water for 15 minutes and get medical attention.
INHALATION: Irritating to nose and throat.	INHALATION: Move to fresh air. Aid in breathing, if necessary, and get medical attention.
INGESTION: Not Determined.	INGESTION: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: Respirator not required with most applications.
VENTILATION: Local exhaust is generally sufficient to minimize exposure.
PROTECTIVE CLOTHING: Neoprene gloves, apron, boots – as necessary to prevent skin contact.
EYE PROTECTION: Chemical goggles.
OTHER PRECAUTIONS: Safety shower and eyewash fountains should be easily accessible.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Avoid skin contact. Neutralize and absorb with sand or inert material. Place in suitable container for disposal. Flush neutralize residues with water to sanitary sewer.
WASTE DISPOSAL METHODS: Corrosive. Dispose of in accordance with all applicable Federal, State, and Local regulations.
PRECAUTION IN STORAGE AND HANDLING: Empty containers may contain residuals. Thoroughly clean then offer for recycling, reuse, or disposal in accordance with governmental regulations.
OTHER PRECAUTIONS: Hazardous waste 40CFR261. Hazardous waste number D002.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.