



# 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 2350** CHEMICAL FAMILY:  
PRODUCT NUMBER: AD2350 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
Sodium Hydroxide	No	1310-73-2	<8	No	2mg/m3	2mg/m3	

## SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 212°F (100°C)  
VAPOR PRESSURE: ND  
VAPOR DENSITY: ND  
SOLUBILITY IN WATER: Complete  
SPECIFIC GRAVITY @20°C: 1.13  
pH RANGE: 13.7  
EVAPORATION RATE (Water=1): < 1  
VOLATILE RATE: 75%  
PHYSICAL DESCRIPTION: Black liquid with faint coffee 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: Material is strongly alkaline. Beware of exploding drums.

## SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable  
INCOMPATIBILITY: Strong acids.  
CONDITIONS TO AVOID: N/A  
HAZARDOUS DECOMPOSITION PRODUCTS: N/A  
HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

### PRIMARY ROUTES OF ENTRY:

SKIN: Extended contact will be corrosive to skin.  
EYES: Immediate action on corneal tissues.  
INHALATION: Not a likely route of exposure.  
INGESTION: Corrosive to esophageal linings.

### FIRST AID PROCEDURES:

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: Immediately flush with large amounts of water for 15 minutes and get medical attention.  
INHALATION: Move to fresh air. Aid in breathing, if necessary, and get medical attention.  
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 with appropriate material and absorb with sand or inert material. Place in suitable container for disposal. Flush neutralized residues 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.