

# MATERIAL SAFETY DATA SHEET

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 4235	CHEMICAL FAMILY:				
PRODUCT NUMBER:	AD4235	FORMULA:	PROPRIETARY	NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING	
SUPPLIER'S NAME:	ADENA TECHNOLOGIES	PHONE NUMBER:	(888) 247-2312	HEALTH	1	
SUPPLIER'S ADDRESS:	101 Technology Lane Export, PA 15632	EMERGENCY NO .:	(800) 255-3924	FLAMMABILITY	2	
				REACTIVITY	0	
SHIPPING NAME:	CONSUMER COMMODITY (ORM-D)			MAX PERSONAL PROTECTION		

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION								
CHEMICAL NAME	CARC.	CAS NO.		WT %	SEC. 313	PEL	TWA-TLV	STEL-TLV
N-Ethyl-N-Hydroxyethanamine	No	3710-84-7		<30	No	Not Established	Not Established	
SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES			SECTION 3 - FIRE/EXPLOSION HAZARD DATA					
BOILING POINT: ND   VAPOR PRESSURE: ND   VAPOR DENSITY: >1   SOLUBILITY IN WATER: Complete   SPECIFIC GRAVITY @20°C: 1.002   pH RANGE: 9.1   EVAPORATION RATE (Water=1): <1			AUTO IGNITION TEMP: ND FLASH POINT: 150°F (66°C) FLAMMABILITY LIMITS: ND EXTINGUISHER MEDIA: Water fog or spray, carbon dioxide, dry chemical, alcohol foam, foam. HAZARDOUS PRODUCTS OF COMBUSTION: N/A SPECIAL FIRE FIGHTING PROCEDURES: Cool drums exposed to heat or fire to prevent steam rupture.					
PHYSICAL DESCRIPTION:	Colorless to light straw I	iquid with amine odor.						

#### **SECTION 4 - REACTIVITY HAZARD DATA**

STABILITY: Stable INCOMPATIBILITY: Strong oxidizers. CONDITIONS TO AVOID: Contamination, temperatures above 100°F (38°C). HAZARDOUS DECOMPOSITION PRODUCTS: Diethylamine, carbon monoxide, nitrous oxides. HAZARDOUS POLYMERIZATION: Will not occur

#### SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTE	S OF ENTRY:	FIRST AID PROCEDUR	ES:
SKIN:	May cause irritation upon 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 upon contact.	EYES:	Immediately flush with large amounts of water for 15 minutes and get medical attention.
INHALATION:	May cause irritation.	INHALATION:	Move to fresh air. Aid in breathing, if necessary, and get medical attention.
INGESTION:	May cause irritation, gastrointestinal upset.	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**

VENTILATION: PROTECTIVE CLOTHING: EYE PROTECTION: OTHER PRECAUTIONS:

RESPIRATORY PROTECTION: NIOSH/MSHA approved can or cartridge respirator for gas and vapor as needed to maintain PEL. Local and/or mechanical exhaust to maintain exposure below PEL. Neoprene gloves, apron, boots - as necessary to prevent skin contact. Chemical goggles.

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:

WASTE DISPOSAL METHODS: PRECAUTION IN STORAGE AND HANDLING: Avoid skin contact. Keep upwind. Eliminate ignition sources. Absorb with sand or inert material and place in suitable container for proper disposal. Dispose of in accordance with all applicable Federal, State, and Local regulations.

Empty containers may contain residuals. Thoroughly clean then offer for recycling, reuse, or disposal in accordance with governmental regulations.

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