



MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 03/07/00

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 1050** CHEMICAL FAMILY:
PRODUCT NUMBER: AD1050 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
PROPER SHIPPING NAME: Sodium Silicate, Solution

NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING
HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
MAX PERSONAL PROTECTION	- -

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SARA III	PEL	TWA-TLV	STEL-TLV
Sodium Hydroxide		1310-73-2	<5		2mg/m3	2mg/m3	

SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 210°F (99°C)
VAPOR PRESSURE: ND
VAPOR DENSITY: >1
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY @20°C: 1.278
pH RANGE: 11.1-12.1
EVAPORATION RATE (Water=1): < 1
VOLATILE RATE: 70%
PHYSICAL DESCRIPTION: Clear liquid with slight 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: Cool drums exposed to fire to prevent steam-generated explosion.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable
INCOMPATIBILITY: N/A
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:	FIRST AID PROCEDURES:
SKIN: Will cause irritation upon prolonged 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 severe irritation and possible corneal damage.	EYES: Immediately flush with large amounts of water for 15 minutes and get medical attention.
INHALATION: May cause upper respiratory irritation.	INHALATION: Move to fresh air. Aid in breathing, if necessary, and get medical attention.
INGESTION: May cause irritation of gastrointestinal system.	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 flush with large amounts of water to sanitary sewer.
WASTE DISPOSAL METHODS: 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.

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