



# MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE:10/09/07

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 D 67FS40** CHEMICAL FAMILY: COPOLYMER OF A QUANTIERNARY AACRYLATE SALT AND ACRYLAMIDE DISPERSED IN MINERAL OIL

PRODUCT NUMBER: AD106 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 DATE PREPARED:

SHIPPING NAME: CONSUMER COMMODITY (ORM-D)

NFPA HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
MAX PERSONAL PROTECTION	-

## SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SARA III	PEL	TWA-TLV	STEL-TLV
ADIPIC ACID	Ne	124-04-9	Ne	Ne	Ne	5 mg/m3	Ne
PETROLEUM DISTILLATES	Ne	64742-47-8	Ne	Ne	Ne	Ne	Ne
HYDROTREATED LIGHT NAPHTHENIC DISTILLATE	Ne	64742-53-6	Ne	Ne	Ne	Ne	Ne
NONYLPHENOL SURFACTANT 4.25% by wt	Ne	68412-54-4	Ne	Ne	Ne	Ne	Ne
COPOLYMER ACRYLAMIDE: DMAEA Q. (MeCl)	Ne	69418-26-4	Ne	Ne	Ne	Ne	Ne

## SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

## SECTION 3 - FIRE/EXPLOSION HAZARD DATA

BOILING POINT: >212°F (<100°C)

VAPOR PRESSURE: Not Evaluated

VAPOR DENSITY: Not Evaluated

SOLUBILITY IN WATER: Readily Dispersible

SPECIFIC GRAVITY @20°C: 1.06

pH RANGE: Not Applicable

EVAPORATION RATE (Water=1) : Not Evaluated

VOLATILE RATE:

PHYSICAL DESCRIPTION: White or off-white liquid. Slight, mild odor.

FLAMMABILITY: (FLAME PROJECTION) N/A AUTO IGNITION TEMP: N/A

FLASH POINT: >220°F

FLAMMABILITY LIMITS: Not Evaluated

EXTINGUISHER MEDIA: Carbon Dioxide, Dry Chemical or Foam.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear normal protective equipment. SCBA is recommended for confined areas. Cool exposed drums or tanks with water. Wetted product presents an extreme slip hazard. Pedestrian and vehicular traffic must proceed with caution where even a small amount of wet product may exist.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

## SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable

INCOMPATIBILITY: Strong oxidants such as liquid chlorine, enriched gaseous or liquid oxygen, and sodium or calcium hypochlorite.

CONDITIONS TO AVOID: No special conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce oxides of carbon and nitrogen, various hydrocarbons, ammonia and/or hydrogen chloride vapor. Vapor may be irritating or harmful.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTES OF ENTRY: SKIN: Prolonged or repeated skin contact tends to remove skin oils, possibly leading to dry skin, irritation and/or dermatitis.

EYES: May produce irritation and/or redness.

INHALATION: Vapors may irritate eyes and respiratory tract, and result in headache or dizziness.

INGESTION: NA

FIRST AID PROCEDURES: SKIN: Remove contaminated clothing and launder before reuse. Wash effected area with soap and water.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INHALATION: Remove to fresh air. If symptoms persists, consult a physician.

INGESTION: Consult a physician. Never give anything by mouth to an unconscious person.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: Use NIOSH approved respirator for organic vapor and/or mist, as required to control exposure.

VENTILATION: Recommended general ventilation rate of, as a minimum, 10 air changes per hour.

PROTECTIVE CLOTHING: Select additional protective equipment (eg apron, face shield, etc.) , depending on conditions of use.

EYE PROTECTION: Provide eyewash station(s). Full sideshield safety glasses or goggles (ANSI Z871 standard).

OTHER PRECAUTIONS: Do not eat, drink or smoke in work area. Wash hands after handling. Launder contaminated clothing.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Remove all ignition sources. Dike area to control runoff, and collect spill in appropriate container(s). Use an inert absorbant such as vermiculite to collect residual liquid. Then water wash area to waste treatment to eliminate slip hazard.

WASTE DISPOSAL METHODS: Any method in accordance with Federal, State and Local laws.

PRECAUTION IN STORAGE AND HANDLING: Avoid storage temperatures below freezing (32°F). Product may stratify.

OTHER PRECAUTIONS: Avoid high temperatures and open systems to minimize vapor release and exposures. Keep containers closed and properly labeled. Do not reuse containers before contents are completely removed, and the container is properly cleaned and reconditioned. Good personal hygiene practices can reduce potential exposure. Wash with soap and water following any contact with this product, as well as before breaks and meals. Shower and change clothing at end of work shift. If clothing becomes contaminated, remove and launder or dry-clean before reuse.

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