



Applied Chemistry, Creative Solutions

Material Safety Data Sheet



Responsible Care[®]
A Public Commitment

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ACRILAN[®] CP-16 ACRYLIC FIBER
MSDS Number: M00008566 Date: August 6, 1998
Chemical Family: CP-16
Chemical Name: Acrylonitrile - vinyl acetate copolymer
Synonyms: B-14, B-16, B-33, B-35, B-37, B-39, B-88, S-16, S-18, S-18S, S-40, S-63
SOLUTIA INC., 10300 OLIVE BOULEVARD, P.O. BOX 66760, ST. LOUIS, MO 63166-6760

FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT
Call CHEMTREC - Day or Night - 1-800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere: 703-527-3887 (collect calls accepted)

For additional non-emergency information, call: 314-674-6661

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>% by weight</u>
Acrylonitrile - vinyl acetate copolymer	24980-62-9	100

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: Staple of various lengths and deniers and tow of various deniers, no odor

NO SIGNIFICANT HAZARDS ASSOCIATED WITH THIS MATERIAL

POTENTIAL HEALTH EFFECTS

Likely Routes of Exposure: Skin contact and inhalation

Eye Contact: This product is no more than slightly irritating based on its chemical and physical properties. Dust or fibers may cause irritation to the eye as would any foreign material.

Skin Contact: This product is no more than slightly toxic and is essentially non-irritating based on its chemical and physical properties.

Inhalation: No information

Ingestion: This product is no more than slightly toxic based on its chemical and physical properties. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediate first aid is not likely to be required. However, this material can be removed with water.

IF INHALED, immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air. Remove material from eyes, skin and clothing.

IF SWALLOWED, immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

5. FIRE FIGHTING MEASURES

Flash Point: Combustible Solid.

Decomposition Temperature: 280 degrees C (536 degrees F)

Extinguishing Media: In case of fire, use water spray(fog), foam, dry chemical, or CO₂.

Fire Fighting Equipment: Firefighters and others who may be exposed to products of combustion should wear self-contained breathing apparatus and full protective clothing. Equipment should be cleaned after use.

Unusual Fire and Explosion Hazards: Processing on high speed equipment can generate sufficient "fines" to present a dust explosion hazard. Once Acrilan® Acrylic fiber is ignited, an exothermic reaction can occur in the absence of oxygen with evolution of hazardous materials.

6. ACCIDENTAL RELEASE MEASURES

In case of spill, sweep, scoop or vacuum and remove.

Collect material and transfer to appropriate containers for reclamation or disposal.

Refer to Section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

7. HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF MATERIAL FROM EYES, SKIN AND CLOTHING.

Storage: Store at temperatures less than 65 degrees C (150 degrees F)

Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed. The reuse of this material's container for nonindustrial purposes is prohibited and any reuse must be in consideration of the data provided in the MSDS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.

Skin Protection: This product does not present a significant skin concern requiring special protection.

Respiratory Protection: Avoid breathing dusts. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine the appropriate type of equipment for given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

Ventilation: Provide natural or mechanical ventilation to minimize exposure. The use of local mechanical exhaust ventilation at sources of air contamination such as open process equipment is preferred.

Airborne Exposure Limits:

Product: Acrilan® CP-16 Acrylic Fiber

Although OSHA and ACGIH have not established specific exposure limits for this material, they have established the following exposure limits for nuisance dusts:

OSHA PEL:	15 mg/m ³ 8-hour time-weighted average - total dust
	5 mg/m ³ 8-hour time-weighted average - respirable dust
ACGIH TLV:	10 mg/m ³ 8-hour time-weighted average - inhalable
	3 mg/m ³ 8-hour time-weighted average - respirable

These limits are stated only to indicate the least stringent airborne dust exposure levels applicable to nuisance dusts. History of use is not sufficient to designate this material a nuisance dust. Acrilan® CP-16 Acrylic Fiber should not present a significant dust exposure concern under normal use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Staple of various lengths and deniers and tow of various deniers.
Density:	1.17
Decomposition Point:	280 degrees C (536 F)
Solubility:	Soluble in dimethyl formamide, dimethyl acetamide, aqueous zinc chloride, ethylene carbonate, con. nitric acid. Not soluble in alcohol, acetone, xylene.
Discoloration Temperature:	150 degrees C (302 degrees F)
Dry Heat Shrinkage:	5%, 257 degrees C (495 degrees F)

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions of storage and handling.
Materials to Avoid:	Avoid storage at temperatures above 65 degrees C (149 degrees F) to retain color.
Hazardous Decomposition Products:	At temperatures above 500 degrees F decomposition products may include carbon monoxide, hydrogen cyanide, ammonia, undefined hydrocarbons, fragments of original monomers and nitrogen oxides.
Hazardous Polymerization:	Does not occur

11. TOXICOLOGICAL INFORMATION

Toxicological Data

Solutia has not conducted toxicity studies on this material and no toxicological information on this material was found in a reasonably extensive search of the scientific literature.

12. ECOLOGICAL INFORMATION

Solutia has not conducted environmental toxicity and biodegradation studies with this material

13. DISPOSAL CONSIDERATIONS

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dispose of by incineration or recycle in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

This product is not hazardous under the applicable DOT, ICAO/IATA, or IMDG regulations.

15. REGULATORY INFORMATION

TSCA Inventory: Listed

SARA Hazard Notification

Hazard Categories Under Title III Rules (40 CFR 370):	Not applicable
Section 302 Extremely Hazardous Substances:	None
Section 313 Toxic Chemical(s):	None

CERCLA Reportable Quantity: Not applicable

Refer to Section 11 for OSHA Hazardous Chemical(s) and Section 13 for RCRA classification.

16. OTHER INFORMATION

Acrilan® Acrylic Fiber products may contain various dyes and/or pigments which are imbedded in the polymer. Owing to the low concentration of these additives and physical binding/bonding to the polymer, exposure is insignificant.

Reason for revision: Conversion to Solutia 16 section format. Supersedes MSDS dated 3/20/96.

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