



# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Acryl Sleeving

**Manufacturer Name:**

Federal-Mogul World Headquarters  
26555 Northwestern Highway  
Southfield, Michigan 48033  
USA

**Emergency Telephone:**

24hr EP (INFOTRAC): 1-800-535-5053  
International: (001) 352-323-3500

**Non-emergency Telephone:**

1-248-354-9844

**Intended Use:** Textile Sleeving

**Contact Person:**

MSDS Request (voicemail) 1-248-354-9844

## 2 HAZARDS IDENTIFICATION

**Emergency Overview**

**Physical State:** Solid

**Color:** Various colors

**Odor:** Odorless

Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes. In case of exposure to fumes or particulates: Cancer hazard - can cause cancer.

**Potential Health Effects**

**Inhalation:** Not relevant, due to the form of the product.

**Eye Contact:** No adverse effects due to eye contact are expected.

**Skin Contact:** No adverse effects due to skin contact are expected.

**Ingestion:** Not relevant, due to the form of the product.

**Chronic Health Effects:** Cancer hazard - can cause cancer. Exposure to formaldehyde may cause respiratory sensitization in some individuals or aggravate pre-existing asthmatic conditions.

**Potential Physical / Chemical Effects:** This product is not flammable.

**OSHA Regulatory Status:** Under some use conditions, this material may be considered to be hazardous in accordance with OSHA 29 CFR 1910.1200.

**Environment:** The product is not expected to be hazardous to the environment.

**3 COMPOSITION / INFORMATION ON INGREDIENTS**

**General Information:** This product does not generate dust when used as intended.

Chemical Name	CAS-No.	Concentration*
†Glass fiber	65997-17-3	> 95%
†Acrylonitrile	107-13-1	< 1%
†Formaldehyde	50-00-0	< 1%

\* All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

† This chemical is hazardous according to OSHA/WHMIS criteria.

**4 FIRST AID MEASURES**

**Inhalation:** In case of exposure to fumes or particulates: Move injured person into fresh air and keep person calm under observation. Get medical attention.

**Eye Contact:** No specific first aid measures noted. However, immediately flush with plenty of water for at least 15 minutes.

**Skin Contact:** No adverse effects due to skin contact.

**Ingestion:** No adverse effects due to ingestion are expected.

**5 FIRE-FIGHTING MEASURES**

**Extinguishing Media:** This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable Extinguishing Media:** None.

**Special Fire Fighting Procedures:** Use standard firefighting procedures and consider the hazards of other involved materials.

**Unusual Fire & Explosion Hazards:** None.

**Hazardous Combustion Products:** Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides

**Protective Measures:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**6 ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes. See Section 8 of the MSDS for Personal Protective Equipment.

**Spill Cleanup Methods:** Collect and dispose of spillage as indicated in section 13 of the MSDS. If dust is generated during processing: Collect dust using a vacuum cleaner equipped with HEPA filter. Collect in containers and seal securely. Containers must be labeled.

**Environmental Precautions:** No specific precautions.

<b>7 HANDLING AND STORAGE</b>
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**Handling:** Normal handling and use of this product should not generate dust or fumes. The intended use of this product does not include its milling, grinding or saw cutting. Observe good industrial hygiene practices.

**Storage:** Store in closed original container in a dry place.

<b>8 EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Exposure Limits:**

Chemical Name	Source	Type	Exposure Limits	Notes
Acrylonitrile	US. ACGIH TLV	TWA	2 ppm	Skin
Acrylonitrile	US. NIOSH Guide	IDLH	85 ppm	
Acrylonitrile	US. OSHA Spec. Reg.	STEL	10 ppm	Skin
Acrylonitrile	US. OSHA Spec. Reg.	TWA	2 ppm	Skin
Acrylonitrile	US. OSHA Spec. Reg.	OSHA Action level	1 ppm	Skin
Formaldehyde	US. ACGIH TLV	Ceiling	0.3 ppm	
Formaldehyde	US. NIOSH Guide	IDLH	20 ppm	
Formaldehyde	US. OSHA Spec. Reg.	TWA	0.75 ppm	
Formaldehyde	US. OSHA Spec. Reg.	OSHA Action level	0.5 ppm	
Formaldehyde	US. OSHA Spec. Reg.	STEL	2 ppm	
Glass fiber (Inhalable fraction.)	US. ACGIH TLV	TWA	5 mg/m <sup>3</sup>	
Glass fiber	US. NIOSH Guide	IDLH	-	

Consult Canadian Provincial Regulations and/or Mexican Regulations on exposure limits, if applicable.

**Engineering Controls:** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes. Use mechanical ventilation in case of handling which causes formation of dust.

**Respiratory Protection:** No protection is ordinarily required under normal conditions of use and with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH-approved respirator that has been selected by a technically qualified person for the specific work conditions.

**Eye Protection:** No special precautions.

**Hand Protection:** It is a good industrial hygiene practice to minimize skin contact.

**Skin Protection:** No skin protection is ordinarily required under normal conditions of use.

**Hygiene Measures:** Wash hands after contact.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Color:** Various colors  
**Odor:** Odorless  
**Odor Threshold:** No data available.  
**Physical State:** Solid  
**pH:** Not applicable  
**Melting Point:** No data available.  
**Freezing Point:** No data available.  
**Boiling Point:** Not applicable.  
**Flash Point:** Not applicable.  
**Evaporation Rate:** Not applicable.  
**Flammability Limit - Upper (%):** Not applicable.  
**Flammability Limit - Lower (%):** Not applicable.  
**Vapor Pressure:** Not applicable.  
**Vapor Density (Air=1):** Not applicable.  
**Specific Gravity:** 1.1  
**Solubility in Water:** Insoluble in water  
**Solubility (Other):** No data available.  
**Partition Coefficient (n-Octanol/water):** Not applicable.  
**Autoignition Temperature:** No data available.  
**Decomposition Temperature:** No data available.  
**Volatile Organic Compounds (VOC):** Not applicable.  
**Viscosity:** Not applicable.  
**Explosive Properties:** No data available

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Stability:** Stable under normal temperature conditions and recommended use.

**Conditions to Avoid:** No special precautions.

**Incompatible Materials:** None under normal conditions.

**Hazardous Decomposition Products:**

At Elevated Temperatures:	Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides
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**Possibility of Hazardous Reactions:** Will not occur.

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**Specified Substance(s)**

**Acute Toxicity:**

Chemical Name	Test Results
Acrylonitrile	Dermal LD50 (Rabbit): 63 mg/kg
Acrylonitrile	Inhalation LC50 (4 hour(s), Rat): 425 ppm
Acrylonitrile	Oral LD50 (Rat): 78 mg/kg
Formaldehyde	Dermal LD50 (Rabbit): 270 mg/kg
Formaldehyde	Inhalation LC50 (Rat): 203 mg/m <sup>3</sup>
Formaldehyde	Oral LD50 (Rat): 100 mg/kg

**Listed Carcinogens:** The ingredients are bound in the sleeve and release is not expected.

Chemical Name	IARC	NTP	OSHA	ACGIH
Glass fiber	Not Listed	Not Listed	Not Listed	A4
Acrylonitrile	2B	Listed	Listed	A3
Formaldehyde	1	Listed	Listed	A2

IARC: 1 = Carcinogenic to Humans; 2A = Probably Carcinogenic to Humans; 2B = Possibly Carcinogenic to Humans; 3 = Not classifiable as to carcinogenicity to humans; 4 = Probably not carcinogenic to humans; Not listed = Not evaluated by IARC.

ACGIH: A1 = Confirmed Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Confirmed Animal Carcinogen; A4 = Not classifiable as a human carcinogen; A5 = Not suspected to be a human carcinogen; Not listed = Not evaluated by ACGIH.

### **Product Information**

#### **Acute Toxicity:**

**Test Results:** No test data available for the product.

**Other Acute:** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes.

**Chronic Toxicity:** Cancer hazard - can cause cancer.

<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
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**Ecotoxicity:** The product is not expected to be hazardous to the environment.

#### **Specified Substance(s)**

Chemical Name	Test
Acrylonitrile	EC50 (48 hour(s), Daphnia magna): 7,38 mg/l

**Mobility:** Not relevant, due to the form of the product.

**Persistence and Degradability:** Not relevant.

**Bioaccumulation Potential:** Not relevant.

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**General Information:** Dispose of waste and residues in accordance with local authority requirements.

**Disposal Methods:** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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**DOT** Not regulated.

**TDG** Not regulated.

**IATA** Not regulated.

**IMDG** Not regulated.

<b>15</b>	<b>REGULATORY INFORMATION</b>
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**Canadian Controlled Products Regulations:** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS Classification:** This product is not classified according to WHMIS classification criteria.

**Mexican Dangerous Statement:** Under some use conditions, this material may be considered to be hazardous in accordance with Mexican regulations.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-.1052):**

Chemical Name	CAS-No.
Formaldehyde	50-00-0
Acrylonitrile	107-13-1

**US Regulations**

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not regulated.

**SARA Title III**

**Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):** Not regulated.

**Section 311/312 (40 CFR 370):**

☐ Acute (Immediate)    ☐ Chronic (Delayed)    ☐ Fire    ☐ Reactive    ☐ Pressure Generating

**Section 313 Toxic Release Inventory (40 CFR 372):**

Chemical Name	CAS-No.	Reporting threshold for other users	Reporting threshold for manufacturing and processing
Acrylonitrile	107-13-1	10000 lbs	25000 lbs
Formaldehyde	50-00-0	10000 lbs	25000 lbs

For reporting purposes: the De Minimis Concentration for a toxic chemical in a mixture is 0.1% for carcinogens as defined in 29 CFR 1910.1200(d)(4) or 1% for others.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
Not regulated.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** Not regulated.

**Drug Enforcement Act:** Not regulated.

**TSCA**

**TSCA Section 4(a) Final Test Rules & Testing Consent Orders:** Not regulated.

**TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40CFR 721, Subpt. E):** Not

regulated.

**TSCA Section 5(e) PMN-Substance Consent Orders:** Not regulated.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

### **State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

Acrylonitrile; Formaldehyde

**Massachusetts Right-To-Know List:** Acrylonitrile; Formaldehyde; Glass fiber

**Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)):** Not regulated.

**Minnesota Hazardous Substances List:** Acrylonitrile; Formaldehyde; Glass fiber

**New Jersey Right-To-Know List:** Acrylonitrile; Formaldehyde; Glass fiber

**Pennsylvania Right-To-Know List:** Acrylonitrile; Formaldehyde; Glass fiber

**Rhode Island Right-To-Know List:** Acrylonitrile; Formaldehyde; Glass fiber

<b>16</b>	<b>OTHER INFORMATION</b>
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### **HAZARD RATINGS**

	Health Hazard	Fire Hazard	Instability	Special Hazard
<b>NFPA</b>	0	0	0	0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

NFPA Label colored diamond code: Blue - Health; Red - Flammability; Yellow - Instability; White - Special Hazards

	Health Hazard	Flammability	Physical Hazard	Personal Protection
<b>HMIS</b>	0	0	0	NONE

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

HMIS Label colored bar code: Blue - Health; Red - Flammability; Orange - Physical Hazards; White - Special

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**Supersedes Date:**

**SDS No.:** Acryl Sleeving\_NA

**Disclaimer:** The information provided on this data sheet was abstracted from supplier material safety data sheets and standard references in occupational health and toxicology. Federal-Mogul makes no representation or warranty with respect to the information obtained from such references. The information is however, as of the date provided, true and accurate to the best of Federal-Mogul's knowledge, and should be used to make an independent determination of the methods to safeguard workers and the environment.