



ISO 9001:2015
File #10002028

Cellusuede Products, Inc.

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Acrylic Fiber Chemical Name: Poly(acrylonitrile-co-vinyl acetate) fiber

CAS No.: 24980-62-9 REACH Registration No.: Not Required

Manufacturer: Cellusuede Products, Inc.

Address: 1515 Elmwood Road, Rockford IL 61103 Telephone: 815-964-8619

Recommended Use: Decorative and functional applications

SECTION 2: HAZARD(S) INFORMATION

This material is not hazardous as defined by the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910.1200) dated March 26, 2012.

SARA Hazard Notification:

Hazard Categories under criteria of SARA Title III rules (40 CFR Part 370): Not Applicable

Not classified as a hazardous substance in accordance with EU regulations.

This fiber contains less than 0.10% residual dimethylacetamide (DMAC). Information regarding DMAC per EU Regulation No. 1272/2008:

Hazard statements (DMAC):

- H319 – Causes serious eye irritation.
- H312 – Harmful in contact with skin.
- H332 – Harmful if inhaled.
- H360D – May damage fertility or an unborn child.

Precautions/Prevention (DMAC):

- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P271 – Use only outdoors or in a well-ventilated area.
- P260 – Do not breathe dust/fumes/gas/mist/vapors/spray
- P202 – Do not handle until all safety precautions have been read and understood.
- P264 – Wash with water and soap thoroughly after handling.

DMAC Classification (EU Regulation No. 1272/2008):

- Acute toxicity 4 (inhalation/vapor)
- Acute toxicity 4 (dermal)
- Reproduction 1B (fetus)

DMAC Classification (Directive 67/548/ECE or 1999/45/EC):

Reproduction Category 2

Potential Hazards:

Harmful by inhalation and by skin contact

Risk to unborn child during pregnancy

Human/Environmental effects: Acrylic fiber has no hazardous effect on humans or the environment.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Chemical Name and Synonyms: Acrylonitrile-Vinyl Acetate copolymer, acrylic fiber

| Material | CAS No. | % |
|---------------------------------------|------------|--------|
| Acrylonitrile-Vinyl Acetate copolymer | 24980-62-9 | >99.0% |
| Spin finish/lubricant: | NA | <0.5% |
| DMAC | 127-19-5 | <0.1% |

For hazardous information regarding DMAC, see section 2 above.

SECTION 4: FIRST AID MEASURES

| | |
|---------------|---|
| EYE CONTACT: | Treat as nuisance dust hazard. Flush eyes with water for 15 minutes. If irritation persists, obtain medical attention. |
| SKIN CONTACT: | Treat as nuisance dust hazard. Flush contaminated skin with soap and water. If irritation persists, obtain medical attention. |
| INHALATION: | Remove to fresh air. Other measures are usually unnecessary. If irritation persists, obtain medical attention. |
| INGESTION: | No special precautions necessary. |

SECTION 5: FIRE FIGHTING MEASURES

| | |
|---------------------------------|---|
| FLASH POINT: | Combustible solid. Material will burn. |
| AUTOIGNITION TEMPERATURE: | 485°C (905°F) |
| FLAMMABLE LIMITS (% BY VOLUME): | LEL: N/A UEL: N/A |
| EXTINGUISHING MEDIA: | Carbon Dioxide, powder, foam, halon or water spray. |

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Fiber/air mixtures may be explosive within certain concentration limits and sufficiently high ignition energies. Minimize airborne fiber concentrations with aggressive housekeeping procedures and effective ventilation, especially in areas of potential stray fiber movement.

FIRE AND EXPLOSION PREVENTIVE MEASURES:

- Minimize the escape of fiber from process equipment or ventilation systems.
- Use dust collection systems and filters.
- Provide access to hidden areas to permit regular inspection and cleaning.
- Clean fiber residues in all areas at regular intervals.
- Use cleaning methods that minimize airborne fiber, especially if potential ignition sources are present.
- Use appropriate electrical equipment and wiring methods.
- Control static electricity, including proper grounding of equipment.
- Control smoking, open flames, and sparks.
- Separate heated surfaces and systems from fiber residue.

Firefighters and others who may be exposed to products of combustion should wear full protective equipment including self-contained breathing apparatus. Firefighting equipment should be thoroughly decontaminated after use.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Reclaim for processing if possible.

WASTE DISPOSAL METHOD:

Material is not a "hazardous waste" as defined in 40 CFR 261; therefore, disposal is permitted by landfill or by incineration. Comply with local, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

Avoid extreme conditions of heat and humidity. Avoid dust accumulation. Store boxes and bales in accordance with good materials handling practices. Wash hands after handling fibers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: ACGIH (Tab. 2009):
TLV-TWA – 15 mg/m³ total for inert particles
TLV-TWA – 5 mg/m³ for breathable fraction

For DMAC (no-effect level):
Long-term exposure – systemic effects:
Dermal – 13.6 mg/kg
Inhalation – 36.0 mg/m³

EYE PROTECTION: None normally required. However, good safety and industrial hygiene practices should be followed.

SKIN PROTECTION: None normally required. However, good safety and industrial hygiene practices should be followed.

RESPIRATORY PROTECTION: Avoid breathing dust. Use NIOSH/MSHA approved equipment when airborne exposure is excessive. Respiratory protection must comply with 29 CFR 1910.134.

VENTILATION: Local and general exhaust ventilation should be used as needed to prevent irritation and avoid dust accumulation.

OTHER PROTECTIVE EQUIPMENT: Eye wash station and safety shower should be near work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------|---------|--|-------------------------|
| BOILING POINT: | >240°C | SPECIFIC GRAVITY (H ₂ O=1): | 1.18 @ 20/20°C |
| VAPOR PRESSURE: | N/A | DECOMPOSITION POINT: | 310°-330°C (590°-626°F) |
| HEAT SHRINKAGE @ 200°C: | <10% | COLOR: | Clear or translucent |
| pH: | 7.0-8.0 | MELT POINT: | N/A |

SOLUBILITY: Soluble in dimethyl formamide, dimethyl acetamide, aqueous zinc chloride, conc. nitric acid. Not soluble in solvents, alkalis, and other acids.

Stable to fungal or bacterial attack.

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

Unstable: _____ Stable: X

CONDITIONS TO AVOID: Avoid packing or storage at temperatures above 80°C (176°F)

HAZARDOUS POLYMERIZATION:

Will occur: _____ Will not occur: X

DECOMPOSITION:

Combustion products may include carbon monoxide, hydrogen cyanide, ammonia, undefined hydrocarbons, original monomers and nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF EXPOSURE:

No significant health effects have been reported in the processing and use of acrylic fibers and yarns. Mechanical irritation effects from dust exposure are possible at ambient temperature.

CANCER INFORMATION:

The ingredients of this product are not listed as carcinogens by the National Toxicology Program (NTP) and the International Agency for research on Cancer (IARC) and are not regulated as carcinogens by the Occupational and Health Administration (OSHA).

MUTAGENICITY:

Acrylic fibers have not shown to have any mutagenic effect on microorganisms or mammalian cell cultures. In addition, in mammal testing, DMAC has not shown any mutagenic effect.

REPRODUCTIVE TOXICITY:

DMAC has shown toxicity to reproduction in animal testing. Although the amount of DMAC in acrylic fiber is <0.30%, this information should be noted.

SECTION 12: ECOLOGICAL INFORMATION

This fiber is not biodegradable and potential bioaccumulation in the environment is very low.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Material is not a "hazardous waste" as defined in 40 CFR 261; therefore, disposal is permitted by landfill or by incineration. Comply with local, state and federal regulations.

European legislation on waste: Directive 75/442/EEC (7/15/75)
Directive 94/67/EEC (12/16/94)

SECTION 14: TRANSPORT INFORMATION

DOT Label: N/A DOT Hazard Class/ID No.: N/A

U.S. Surface Freight Classification: Fiber, Synthetic Staple

TRANSPORTATION:

| | |
|------|---------------|
| DOT | Not Regulated |
| IMDG | Not Regulated |
| IATA | Not Regulated |

UN number: Unassigned. Acrylic fiber is not dangerous to transport
UN shipping name: NA
Transport Hazard class: NA
Packing group: NA
Environmental hazards: NA

Special precautions:

Acrylic fiber is combustible (class A fire – combustible solid). In case of fire, inhalation of combustion by-products should be avoided.

SECTION 15: REGULATORY INFORMATION

TSCA Status:

All components of this product are listed on the TSCA Inventory.

SARA Title III Sections 311, 312, 313:

Reactive Hazard: No
Pressure Hazard: No
Fire Hazard: No
Acute/Immediate: No
Chronic/Delayed: No

This product does not contain any toxic chemicals listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

CERCLA Reportable Quantity:

Not Applicable

This product is not a Hazardous Chemical as regulated under OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is not regulated in accordance with EC and EEC directives or respective national laws.

Canadian WHMIS Classification:

Not Regulated

SECTION 16: OTHER INFORMATION

Previous Revision: JUL 2015 Current Revision: NOV 2018

If you have any questions regarding the information contained in this SDS, please call 815-964-8619.

This information relates to the particular product described and is the best available data possessed by Cellusuede Products on the subject. This data may not be relevant to any end use product which combines other substances with this product. It is the User's responsibility to determine the accuracy and completeness of this information in the context of its own business purpose.

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