



American Cord & Webbing Co., Inc.
88 Century Dr., Woonsocket, RI 02895

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MATERIAL SAFETY DATA SHEET

NYLON WEBBING

: SECTION I - - PRODUCT INFORMATION

Manufacturer's Name and Address:
American Cord & Webbing Co., Inc.
88 Century Drive
Woonsocket, RI 02895
Material Identity: Nylon Webbing

: SECTION II - - HAZARDOUS INGREDIENTS

None.
Material is composed of non-hazardous nylon and additives.
OSHA PEL, ACGIH TLV, not applicable.
(See Hazardous Decomposition Products section.)

: SECTION III - - PHYSICAL/CHEMICAL DATA

Solid. Synthetic yarn or narrow webbing. Various colors. Water insoluble; odorless to slight odor of plastic. Melting range > 400F.

: SECTION IV - - FIRE & EXPLOSION HAZARD DATA

Flash Point: N/A. Flammable Limits: N/A. Extinguishing Media: Dry chemical, foam or carbon dioxide. Special Fire Fighting Procedure: Dense and toxic smoke can form during high temperature burning or warehouse fire situation. Firefighters should use NIOSH/MSHA-approved self-contained breathing apparatus. Use water spray or fog to cool exposed equipment & containers. Fire & Explosion Hazards: Noxious gases and smoke formed when burned.



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Material Safety Data Sheet

Original Date: 12/10/1999
Revision Date: 02/29/2000

AC 920 BLACK, ACETAL COPOLYMER
Product ID: NPP 531055
Common Chemical Name:
POLYKYMETHYLENE COPOLYMER; POM
Synonyms:
ULTRAFORM
Molecular Formula:
POLYMER
Chemical Family: Acetal Copolymer
Molecular Wt.: NOT APPLICABLE

SECTION 2 - INGREDIENTS

Chemical Name:	CAS	Amount
CARBON BLACK	1333-86-4	0.1 - 5.0 %
ACGIH TLV	TWA	3.5 MG/CU. M
OSHA PEL	TWA	3.5 MG/CU. M
ULTRAFORM	25214-85-1	90.0 - 99.0 %
FEL/TLV NOT ESTABLISHED		

*Formaldehyde is not a component but may be released during processing or if exposed to extreme heat.

SECTION 3 - PHYSICAL PROPERTIES

Color: Black
Form/Appearance: Pellets
Odor: Odorless
Odor Intensity: Not available
Typical
Specific Gravity: Low/High U.O.M.
1.25 - 1.45
Bulk Density: 850 KG/CU. M
pH: NOT AVAILABLE
Typical Low/High Deg. Pressure
Boiling Pt: NOT AVAILABLE
Freezing Pt: NOT AVAILABLE
Decomp. Temp: > 240 C 1 ATMOSPHERES
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SECTION 3 - PHYSICAL PROPERTIES (cont)

Solubility in Water Description: Insoluble

SECTION 4 - FIRE AND EXPLOSION DATA

	Typical	Low/High	Deg.	Method
Flash Point:		320 - 340		C ASTM D 1929
Autoignition:	NOT AVAILABLE			
Extinguishing Media:				

Use water fog, foam or dry chemical extinguishing media.

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

Formaldehyde may be released if product is exposed to excessive heat or fire. Airborne dust may be explosive. Explosibility of dusts increases with decreasing particle size, so the production of fines should be minimized.

SECTION 5 - HEALTH EFFECTS

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute Overexposure Effects:

Contact of the decomposition products with the eyes and skin may result in irritation. ULTRAFORM itself is harmless. Molten materials can cause thermal burns. If ULTRAFORM is subjected to excessive heat the primary decomposition is formaldehyde. Formaldehyde is highly irritating to the upper respiratory tract and eyes, nose, throat and lungs. Repeated exposure may lead to sensitization in some individuals. Formaldehyde overexposure can cause symptoms of bronchial asthma, either by direct irritation or sensitization. Inhalation may cause irritation to the respiratory tract, breathing difficulties, coughing, CNS effects, pneumonitis and pulmonary edema.

Chronic Overexposure Effects:

Prolonged inhalation exposures may produce cough, phlegm, tiredness, chest pain and headache. Dermal, inhalation or mucosal exposures may cause irritation. Chronic exposures to carbon black have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease) in workers. IARC has classified carbon black in Group 2B (sufficient evidence of carcinogenicity in animals). Chronic inhalation studies in animals have shown that formaldehyde causes nasal cancer in rats. The International Agency for Research on Cancer (IARC) has classified formaldehyde as a carcinogen in Group 2A, and the National Toxicology Program (NTP) included formaldehyde in its Annual Report on Carcinogens. OSHA regulates formaldehyde in 29 CFR 1910.1048. The OSHA TWA for formaldehyde is 0.75 ppm. The ACGIH TLV is 1 ppm.

The OSHA and ACGIH STEL is 2 ppm.

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NFP 511055

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SECTION 5 - HEALTH EFFECTS (cont)

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

First Aid Procedures - Eyes:

If contacted with decomposition products immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.

First Aid Procedures - Ingestion:

Ingestion not likely in pellet form. If ingested, seek medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get



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1. Material/Preparation and Firm Designation for flame retardant and non flame retardant fabrics

Trade name: PLASTEL, POLYMAR, VALMEX for PVC coating

Name of manufacturer:

Mehler-Haku GmbH
Rheinstr. 11
41836 Hückelhoven
Germany

Mehler-Haku GmbH
Edelzellerstr. 44
36049 Fulda
Germany

Technolen WF A.S.
Slechtova 860
51221 Lomnice nad Popelkou
Czech Republic

Assistance in case of emergency:
+49-2433-459-0 Hückelhoven
+49-661-103-0 Fulda
+42-0431-84-1111 Lomnice n.P.

2. Composition/Particulars of the Components:

Chemical composition: Soft PVC coating on PES fabric
Finish: lacquered or unlacquered

3. Possible hazards: - Not applicable (unless not correctly handled)

In case of fire: - irritant and pungent HCL gases, Carbon monoxide

4. First Aid Measures: - N/A (unless not correctly handled)

In case of fire: - immediately intake of fresh air and take person injured to a doctor

5. Fire Fighting Measures:

Extinguishing agents: - Carbon Dioxide, foam or powder fire extinguisher
Protective measures: - Breathing equipment, protective clothing (HCL gases)

6. Measures to be taken in case of involuntary release: - not applicable (foil)

7. Handling subsequent to storage:

Handling: - no special guidelines
Storage: - no special guidelines

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8. Exposition limits and personal protective clothing:

Processing:	During welding, assure suction or good ventilation
Hygiene:	During welding, do not eat, drink or smoke
Personal protection:	In case of need, breathing equipment, when ventilation is insufficient

9. Physical/chemical properties for flame retardant and non flame retardant fabrics

Physical condition:	solid foil	Odor:	Inodorous
Combustion behaviour:	slightly-difficult	Colour:	Various
Trucks covers as per	DIN 75200		
Tents as per	DIN 4102 B 1		
Decomposition:	starts at > 160° C		

10. Stability and reactivity:

Hazardous decomposition products: handled)	- No decomposition (unless not correctly
Thermal decomposition:	- Irritant and pungent HCL gases

11. Toxicological data:

Acute toxicity:	- Not applicable (foil)
Skin irritation:	- Not known

12. Ecological data:

Environmental impact:	- None - unless not correctly handled (Insoluble in water)
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13. Disposal recommendations:

Disposal:	Can be taken to tip
Waste disposal code	Combustion in specific plants (chlorous) No. 040209

14. Information as to transport:

No particular precautions necessary - not subject to hazard material regulations