

## Occupational Safety and Health Administration

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**M A T E R I A L   S A F E T Y   D A T A   S H E E T**-----  
SECTION IIDENTIFICATION DATA  
-----MANUFACTURER'S NAME  
EMERGENCY TELEPHONE NO.  
ADDRESSVELCRO USA INC.  
(603) 669-4880

406 Brown Avenue, Manchester, NH

03108

CHEMICAL NAME AND SYNONYMS  
TRADE NAME AND SYNONYMSPolyethylene, PE Homopolymer, Nylon  
**VELCRO® Brand ONE-WRAP® Back-to-Back Tape,  
HTH 883 and Loop 3800**CHEMICAL FAMILY  
FORMULAEthylene-Based Polymer, Polyamide  
Proprietary-----  
SECTION IIHAZARDOUS INGREDIENTS  
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N/A

This material can contain traces of residual formaldehyde. However, this would be present in minute amounts only, at less than 0.1% of the composition and therefore, in accordance with 29 CFR 1910.1200, Section (g), is not subject to listing as a health hazard.

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SECTION IIIPHYSICAL DATA  
-----BOILING POINT IN DEGREES C  
VAPOR PRESSURE IN MM HG  
VAPOR DENSITY (AIR=1)  
SOLUBILITY IN WATER  
SPECIFIC GRAVITY (Nylon)  
(Polyethylene)  
PERCENT VOLATILE BY VOLUME (%)  
EVAPORATION RATE  
MELTING POINT (Nylon)  
(Polyethylene)N/A  
N/A  
N/A  
Insoluble in water  
>1.0  
<1.0  
N/A  
N/A  
>216 deg C (420 deg F)  
>107 deg C (225 deg F)  
APPEARANCE AND ODOR  
fastener - no odor.

Textile

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(VELCRO® brand ONE-WRAP® Back-to-Back HTH 883/Loop 3800)

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SECTION IV

FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (Polyethylene)	343 deg C (649 deg F) Estimated Minimum
AUTOIGNITION (Polyethylene)	343 deg C (649 deg F) Estimated Minimum
AUTODECOMPOSITION TEMPERATURES (NYLON)	50% @ 420 deg C (788 deg F)
	96% @ 900 deg C (1652 deg F)
FLAMMABLE LIMITS	
LOWER EXPLOSIVE LIMIT	N/A
UPPER EXPLOSIVE LIMIT	N/A
EXTINGUISHING MEDIA	Use water spray, foam, dry chemical, or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES	Firefighters and others who may be exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Combustible thermoplastic material; may melt and drip and produce irritating smoke. Decomposition products may include oxides of nitrogen, carbon monoxide, carbon dioxide, traces of ammonia and of hydrogen cyanide, flammable hydrocarbons. Hot when melting. Molten material may cause thermal burns.

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SECTION V

HEALTH HAZARD DATA

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INHALATION	This product is essentially non-toxic and non-allergenic in normal use. Product is unlikely to cause skin or eye irritation in normal use. This product is an inert solid. If in eye, remove as one would any foreign object. If dermatitis occurs, thin protective gloves may be worn. Follow procedure for good industrial hygiene.
SKIN AND EYE CONTACT	
EMERGENCY AND FIRST AID PROCEDURES	

If swallowed, follow established first aid procedures for ingestion of a foreign object.

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SECTION VIREACTIVITY DATA  
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STABILITY	Stable.
CONDITIONS AND MATERIALS TO AVOID	Strong acids and strong oxidizing agents; Fluorine.
HAZARDOUS DECOMPOSITION PRODUCTS	open flame, heat or other ignition sources.
HAZARDOUS POLYMERIZATION	Oxides of nitrogen, oxides of carbon, flammable and/or toxic gases.
	Will not occur.

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SECTION VIISPILL OR LEAK PROCEDURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Sweep and place in container for disposal as appropriate.
WASTE DISPOSAL METHOD	Place in appropriate disposal facility in compliance with local, state, and federal regulations.

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SECTION VIIISPECIAL PROTECTION INFORMATION  
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N/A

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SECTION IXSPECIAL PRECAUTIONS  
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Material is combustible and should be stored and handled away from open flames, excessive heat, or ignition sources.
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Any questions, please contact the  
Quality Department, at (603) 669-4880.

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