

POLYMER -- POLYPENCO NYLON 101  
MATERIAL SAFETY DATA SHEET  
NSN: 939000N051946  
Manufacturer's CAGE: 83616  
Part No. Indicator: A  
Part Number/Trade Name: POLYPENCO NYLON 101

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General Information  
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Company's Name: POLYMER CORP  
Company's Street: 2120 FAIRMONT AVE  
Company's P. O. Box: 14235  
Company's City: READING  
Company's State: PA  
Company's Country: US  
Company's Zip Code: 19612-4235  
Company's Emerg Ph #: 800-424-9300(CHEMTREC)  
Company's Info Ph #: 215-320-6600  
Record No. For Safety Entry: 001  
Tot Safety Entries This Stk#: 001  
Status: SMJ  
Date MSDS Prepared: 30SEP92  
Safety Data Review Date: 11AUG94  
MSDS Preparer's Name: W. SWAVELY  
Preparer's Company: SAME  
MSDS Serial Number: BVLLT  
Hazard Characteristic Code: NK

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Ingredients/Identity Information  
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Physical/Chemical Characteristics  
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Appearance And Odor: STOCK SHAPE MAY BE ROD, PLATE, TUBE OR STRAP FORM;  
ESSENTIALLY ODORLESS.  
Melting Point: >482F,>250C  
Specific Gravity: 1.13-1.15  
Solubility In Water: INSOLUBLE  
Percent Volatiles By Volume: <1

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Fire and Explosion Hazard Data  
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Flash Point: 752F,400C  
Extinguishing Media: WATER SPRAY OR ANY CLASS A EXTINGUISHING AGENT.  
Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE  
EQUIPMENT (FP N). FIRE FIGHTING EQUIPMENT SHOULD BE THOROUGHLY  
DECONTAMINATED AFTER USE.  
Unusual Fire And Expl Hazrds: NONE KNOWN.

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Reactivity Data  
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Stability: YES  
Cond To Avoid (Stability): HEATING ABOVE 340C/644F.  
Materials To Avoid: STRONG ACIDS & OXIDIZING AGENTS.  
Hazardous Decomp Products: AT TEMPS >644F/340C, HEAVY FUMING, CARBON  
MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES & HYDROGEN CYANIDE (AT (SUPP  
DATA)  
Hazardous Poly Occur: NO  
Conditions To Avoid (Poly): NOT RELEVANT

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Health Hazard Data  
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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.  
Route Of Entry - Inhalation: NO  
Route Of Entry - Skin: NO  
Route Of Entry - Ingestion: NO  
Health Haz Acute And Chronic: ACUTE:INGEST:NOT A PROBABLE ROUTE OF  
EXPOSURE. SKIN:MOLTEN NYLON CAUSES THERMAL BURNS. EYE:MECHANICAL IRRITATION  
ONLY. INHAL:SHAPES NOT RESPIRABLE. CHRONIC:NONE KNOWN.  
Carcinogenicity - NTP: NO  
Carcinogenicity - IARC: NO  
Carcinogenicity - OSHA: NO  
Explanation Carcinogenicity: NOT RELEVANT  
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.  
Med Cond Aggravated By Exp: THERMAL DECOMPOSITION PRODUCTS OF NYLON HAVE  
BEEN REPORTED TO BE IRRITATING TO THE MUCOUS MEMBRANES & RESPIRATORY TRACT.  
Emergency/First Aid Proc: INGEST:CALL MD IMMEDIATELY (FP N). INHAL: MOVE  
TO FRESH AIR. CONSULT MD IF SYMPTOMS PERSIST. SKIN:WASH W/SOAP & PLENTY OF  
WATER. IF MOLTEN POLYMER CONTACTS SKIN, COOL RAPIDLY W/COLD WATER. DO NOT  
ATTEMPT TO PEEL POLYMER FROM SKIN. OBTAIN MEDICAL ATTENTION TO THERMAL

BURN. EYES:FLUSH W/WATER FOR AT LEAST 15 MINUTES. CONSULT MD IF SYMPTOMS PERSIST.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: CLEAN UP BY VACUUMING OR SWEEPING TO PREVENT FALLS. CLEAN UP BY VACUUMING OR WET SWEEPING TO MINIMIZE DUST EXPOSURE. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. Waste Disposal Method: LANDFILL OR INCINERATION IN COMPLIANCE W/FEDERAL, STATE & LOCAL REGULATIONS. Precautions-Handling/Storing: DRY STORAGE. KEEP CONTAINERS CLOSED TO PREVENT CONTAMINATION. Other Precautions: AQUATIC TOXICITY IS EXPECTED TO BE LOW BASED ON INSOLUBILITY OF POLYMER IN WATER.

Control Measures

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N). NONE UNDER NORMAL PROCESSING, IF VENTILATION IS ADEQUATE. Ventilation: LOC EXHST AT PROCESSING EQUIP TO KEEP PARTICULATES <15 MG/M3. GRINDING & MACHINING OF PARTS SHOULD BE REVIEWED (SUPDAT) Protective Gloves: IMPERVIOUS GLOVES (FP N). Eye Protection: ANSI APPVD CHEM WORK GOGG (FP N). Other Protective Equipment: DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N). LONG SLEEVE COTTON SHIRT & LONG PANTS IN HANDLING MOLTEN POLYMER. Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER. Suppl. Safety & Health Data: HAZ DECOMP PROD:TEMPERATURES >660F,349C) WILL OCCUR. VENT:TO ASSURE THAT PARTICULATE LEVELS ARE KEPT AT RECOMMENDED STANDARDS.

Transportation Data

Disposal Data

Label Data

Label Required: YES
Technical Review Date: 11AUG94
Label Date: 03AUG94
Label Status: G
Common Name: POLYPENCO NYLON 101
Chronic Hazard: NO
Signal Word: CAUTION!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE:SKIN:MOLTEN NYLON CAUSES THERMAL BURNS. EYE:MECHANICAL IRRITATION ONLY. CHRONIC:NONE LISTED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: POLYMER CORP
Label Street: 2120 FAIRMONT AVE
Label P.O. Box: 14235
Label City: READING
Label State: PA
Label Zip Code: 19612-4235
Label Country: US
Label Emergency Number: 800-424-9300(CHEMTREC)