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0162828-004

MATERIAL SAFETY DATA SHEET

8/14/97



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DATE PREPARED 10/30/1996
MSDS No: 7523
PRO-FAX 7523

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: PRO-FAX 7523
Product Description: Propylene/Ethylene Copolymer Pellets

MANUFACTURER:

Montell Canada Inc.
3 Robert Speck Parkway
Mississauga, Ontario
L4Z 2G5
Customer Service: 905-273-8800

24 HR. EMERGENCY TELEPHONE NUMBERS:

Emergency Contact: CANUTEC
Emergency Phone: (613) 996-6666

Montell USA Inc.
Three Little Falls Centre
2301 Centerville Road
P.O. Box 15439
Wilmington, DE 19850-5439
Customer Service: 302-996-6000

Emergency Contact: CHEMTREC
Emergency Phone: (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

	wt. %	CAS Registry #
Propylene/ethylene copolymer	>95	9010-79-1
Stabilizers (trade secret)	<5	

COMMENTS:

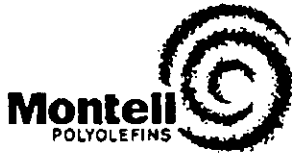
This product is not considered a hazardous material at temperatures below the melting point as determined by Montell according to the U.S. Occupational Safety and Health Act definitions and regulation, including the Hazard Communication Standard 29 CFR 1910.1200. This product is not considered a controlled substance by Montell according to Canada's WHMIS regulations.

Threshold Limit Values (TLV) or Permissible Exposure Limit (PEL) values are not established. This material is not expected to cause physiologic impairment at low concentration. Until a specific TLV is adopted by ACGIH (American Conference of Governmental Hygienists), or an OSHA (Occupational Safety and Health Administration) PEL standard is issued, Montell suggests that this material be treated as a nuisance dust or particulate in accordance with the recommendations of ACGIH.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE:
Translucent to white solid pellets



IMMEDIATE CONCERNS:

Spilled material may present a slipping hazard. This product as shipped is not classified as a combustible dust; however, a combustible concentration of dust may occur if fines are suspended in air. Avoid contact with strong oxidizing agents. When working with the material at temperatures above the melting point, the material will begin to decompose producing fumes that can contain carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes and other unidentifiable organic compounds that come from the breakdown of the material. Adequate room and extruder ventilation should be provided to minimize exposures.

POTENTIAL HEALTH EFFECTS

EYES:

Process vapors may irritate eyes.

SKIN:

Exposure to molten resin may cause thermal burns.

INGESTION:

Not Applicable

INHALATION:

Process vapors may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES:

Irritation or redness.

SKIN:

Not Applicable

INGESTION:

Not Applicable

INHALATION:

Irritation of the nose, throat and respiratory tract.

ACUTE EFFECTS:

Process vapors may cause eye and respiratory tract irritation.

SUBCHRONIC/CHRONIC TOXICITY

CHRONIC:

None Known

CARCINOGENICITY:

None Known

TERATOGENICITY:

None Known



REPRODUCTIVE TOXICITY:

None Known

MUTAGENICITY:

None Known

MEDICAL CONDITIONS AGGRAVATED:

None Known

ROUTES OF ENTRY:

Eye, Inhalation

TARGET ORGANS:

None Known

CANCER STATEMENT:

This product is not considered to be a carcinogen by OSHA, IARC or NTP.

IRRITANCY:

Exposure to process vapors may cause eye and respiratory tract irritation.

SENSITIZATION:

None Known

WARNING CAUTION LABELS:

Burn Risk - Avoid contact with molten resin.

Explosion Risk - Prevent accumulation of dust particles.

Slipping Risk - Keep walking surfaces free of spilled material.

Vapor Risk - Provide ventilation to avoid exposure to process vapors.

COMMENTS HEALTH:

None

HEALTH HAZARDS:

Process vapors may cause eye and respiratory tract irritation.

PHYSICAL HAZARDS:

Spilled material may present a slipping hazard.

Exposure to molten resin may cause thermal burns.

4. FIRST AID MEASURES

EYES:

Flush eye with water for 15 minutes. Get medical attention.



SKIN:

Molten Resin: If molten material comes in contact with the skin, cool under ice water or a running stream of water. DO NOT attempt to remove the material from the skin. Removal could result in severe tissue damage. Get medical attention.

INGESTION:

Not Applicable

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

ANTIDOTES:

Not Applicable

NOTES TO PHYSICIAN:

None

ADDITIONAL INFORMATION:

None

5. FIRE FIGHTING MEASURES

Flashpoint and Method: Not Determined
Flammable Limits: Not Yet Determined
Autoignition Temperature: Not Determined

EXTINGUISHING MEDIA:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes, unidentified organic compounds.

EXPLOSION HAZARDS:

Product as shipped is not a combustible dust. However, a combustible concentration of dust may occur when fines are suspended in air.

FIRE FIGHTING PROCEDURES:

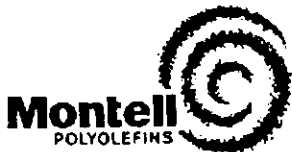
Standard procedures for Class A fires.

FIRE FIGHTING EQUIPMENT:

As in any fire, wear self-contained pressure demand breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

SENSITIVE TO STATIC DISCHARGE:

Static discharge could be an ignition source for a combustible concentration of dust.



SENSITIVITY TO IMPACT:

Not Applicable

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Vacuum or sweep up material and place in a disposal container.

LARGE SPILL:

Vacuum or sweep up material and place in a disposal container.

ENVIRONMENTAL PRECAUTIONS:

WATER SPILL:

Keep pellets out of waterways.

LAND SPILL:

Not yet Determined

AIR SPILL:

Not yet Determined

GENERAL PROCEDURES:

Vacuum or sweep up material and place in a disposal container.

RELEASE NOTES:

None

SPECIAL PROTECTIVE EQUIPMENT:

None

7. HANDLING AND STORAGE

GENERAL PROCEDURES:

Keep away from heat, sparks and flame.

HANDLING:

Ground and bond containers when transferring material.

STORAGE:

This product may react with strong oxidizing agents and should not be stored near such materials.
Store boxes and/or bags of material in areas protected with automatic sprinklers.



Storage Temperature: 140°F maximum 60°C maximum
Loading Temperature: Not Determined
Storage Pressure: Not Determined

STORAGE TEMPERATURE:
Store in a cool place below 140 F, 60 C.

LOADING TEMPERATURE NOTES:
Not yet Determined

SHELF LIFE:
Not yet Determined

SPECIAL SENSITIVITY:
Not yet Determined

ELECTROSTATIC ACCUMULATION HAZARD:
Material may accumulate static charges during transfers. Ground and bond containers when transferring material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
Provide adequate room ventilation.
Provide adequate ventilation at the extruder to minimize exposure to process vapors.
Eliminate ignition sources during repair and maintenance operations.

PERSONAL PROTECTION

EYES AND FACE:
Wear safety glasses with side shields (or goggles).

SKIN:
When handling or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.

RESPIRATORY:
A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant use of a respirator.

PROTECTIVE CLOTHING:
When handling or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.

WORK HYGIENIC PRACTICES:
Not Established



OTHER USE PRECAUTIONS:

Eyewash fountains and safety showers should be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Odor: Slight waxy odor
Appearance: Pellet
Color: Translucent to white
Freezing Point: Not Applicable
Melting Point: >248°F 120°C
Density: Not Determined
Specific Gravity: 0.88 to 0.92
Viscosity: Not Available
(VOC) Notes: Not yet Determined

COMMENTS:

pH: Not Applicable
Physical State: None
Percent Volatile: < 0.4%
Vapor Pressure: Not Applicable
Vapor Density: Not Applicable
Boiling Point: Not Applicable
Water Solubility: Negligible
Evaporation Rate: Not Applicable
Molecular Weight: Not Available

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID:

Keep away from heat, sparks and flame.

POLYMERIZATION:

Product will not undergo polymerization.

HAZARDOUS DECOMPOSITION:

At elevated temperatures the material will begin to decompose, producing fumes that can contain carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes, unidentified organic compounds.



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INCOMPATIBLE MATERIALS:
Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS:
None Known

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:
Not Available

ECOTOXICOLOGICAL INFORMATION:
Not Available

DISTRIBUTION:
Not Available

CHEMICAL FATE INFORMATION:
Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

(1) Recycle (reprocess). (2) Incineration including energy recovery of waste material in a permitted facility in accordance with local, state or provincial and federal regulations. (3) Landfilling in a licensed facility in accordance with local, state or provincial and federal regulations.

RCRA HAZARD CLASS:

This product is not judged to be a hazardous waste by any local, state or federal regulations; however, it may be listed as industrial waste in some states or provinces.

This product is not listed in the U.S. federal hazardous waste regulations, 40 CFR 261.33 paragraphs (e) or (f), i.e., chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40 CFR 261 Subpart C. State or local hazardous waste regulations may apply if different from the federal.

14. TRANSPORT INFORMATION

SPECIAL SHIPPING NOTES:

This product is not regulated by DOT, IMO, IATA, Canadian TDG and associated regulations, ADR or RID.



15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

Title III Notes: This product is not subject to SARA Title III requirements.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA Status: All ingredients in this product are listed on the TSCA inventory.

OSHA HAZARD COMM. RULE:

This product is not considered a hazardous material at temperatures below the melting point as determined by Montell according to OSHA definitions.

CLEAN WATER ACT:

This product is regulated under EPA's Clean Water Act/NPDES rules as "floating material". In addition, this product is considered "significant material" under the EPA's storm water permit rules.

CANADA

WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM):

This product is not considered a controlled substance under WHMIS.
This MSDS meets WHMIS format requirements.

CANADIAN ENVIRONMENTAL PROTECTION ACT:

All ingredients in this product are listed under CEPA on the DSL.

REGULATIONS

International Regulations: All ingredients are in compliance with EINECS/ELINCS.

16. OTHER INFORMATION

REASON FOR ISSUE:

update

Approved by: Richard T. LeNoir Title: Safety and Reg. Affairs Specialist
Approval date: 10/30/1996

REVISION SUMMARY

Revision #: 3

This MSDS replaces the March 21, 1996 MSDS. Any changes in information are as follows:
In Section 3

Irritancy (text) Acute Effects (text) Potential Health Effects - Eyes (text) Potential Health Effects - Inhalation (text) Health Hazards (text)

In Section 7



Storage Pressure (text) (Group Field) for Loading / Unloading Viscosity Loading/Unloading Viscosity

In Section 16
HMIS Flammability HMIS Health HMIS Reactivity

MANUFACTURER DISCLAIMER:

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