

1. PRODUCT IDENTIFICATION

PRODUCT NAME : Polypropylene
TRADE NAME : TASNEE PP H2245
CHEMICAL NAME : Olefin Polymers

2. COMPOSITION / INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS Number | Wt. % |
|---------------------------|------------|-------|
| Polypropylene Homopolymer | 9003-07-0 | > 99 |
| Stabilizers | | < 1 |

3. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR:

Translucent to white, odorless solid pellets/granules or fluff.

CHEMICAL REACTIVITY:

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, a variety of decomposed products may be present, producing fumes that can contain hydrocarbons (methane, propane), carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes and other unidentified organic compounds that come from the breakdown of the material. Adequate room and extruder ventilation should be provided.

PHYSICAL DATA

| | | |
|--------------------|---|--------------------------------|
| SPECIFIC GRAVITY | : | 0.91 g/cm ³ at 15°C |
| BOILING POINT | : | Not Applicable |
| VAPOR PRESSURE | : | Not Applicable |
| MELTING POINT | : | 160° – 165°C |
| SOLUBILITY (WATER) | : | Insoluble |
| VISCOSITY | : | Not Applicable |

4. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES:

Process vapors may cause eyes irritation, ensure adequate ventilation. Dust may cause mechanical irritation to eyes.

SKIN:

Contact with molten material can cause thermal burns.

INGESTION:

Not Applicable.

INHALATION:

Dust may cause mechanical irritation to the respiratory system. 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 TOXICITY:

Process vapors may cause eye and respiratory tract irritation.

CHRONIC:

Not known

CARCINOGENICITY:

Not known

MUTAGENICITY:

Not known

5. FIRST AID MEASURES

EYES:

Flash eyes with water for 15 minutes. If irritation persists get medical attention.

SKIN/BURNS:

Cool under ice water or running stream of water. Do not peel off solidified material. Removal could result in severe skin tissue damage. Seek medical attention.

INGESTION:

Not Applicable

INHALATION:

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

ANTIDOTES:

Not Applicable

NOTES TO PHYSICIAN:

None

6. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD:

Not Determined

EXTINGUISHING MEDIA:

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

HAZARDOUS COMBUSTION MATERIALS:

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

EXPLOSION HAZARDS:

Material 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 combustible concentration of dust.

7. HANDLING AND STORAGE INFORMATION

STORAGE:

The material may react with strong oxidizing agents and should be stored in a cool and dry place. Store material in a well ventilated area protected with sprinklers. Minimize accumulation of dust.

HANDLING AND TRANSPORT:

Wear protective equipment. Avoid breathing vapors, fumes or dust. Wash thoroughly after handling. Keep away from heat, sparks and flame. Ground and bond containers when transferring material.

SPILLS AND DISPOSAL:

Sweep up or suck spill. Use vacuum cleaner to remove spill of granules to prevent slipping accidents. Place in a disposal container . Material is not biodegradable.

Waste disposal (refer to local disposal regulations): Recover for reuse, incinerate for energy or place in a waste management facility.

FIRE / EXPLOSION HAZARD:

Combustible material, will burn when preheated. Material can burn with high smoke density. Various levels of toxic gases can be generated. Use foam, carbon dioxide, dry agent or water spray on fire. Wear suitable protective fire resistance clothing, helmet, face shield, gloves and boots.

8. STABILITY

The product is a stable thermoplastic, however under certain conditions hazardous reaction can take place.

9. TOXICOLOGICAL INFORMATION

The product is not dangerous.

10. ECOLOGICAL INFORMATION

The product is not considered dangerous for the environment.

11. TRANSPORTATION INFORMATION

No specific precautions to be taken, the product is not classified as dangerous good by the transport (D.O.T) regulations.

12. REGULATORY INFORMATION

Label: Product Name : TASNEE Polypropylene

NOTE:

The information contained in this MSDS is to the best of TASNEE knowledge and believed accurate and reliable as of the date indicated, however, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.