Polyethylene
TASNEE 100 Orange-Yellow

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1. PRODUCT IDENTIFICATION

PRODUCT NAME	:	Polyethylene
TRADE NAME	:	TASNEE 100 Orange-Yellow
CHEMICAL NAME	:	Polyethylene High Density

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	Wt.%
Polyethylene High Density	25087-34-7	> 99
Additives		< 1

3. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR**:**
Orange-Yellow, nearly odorless solid pellets/granules.

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 water (H_2O), carbon dioxide (CO_2), and when lacking oxygen (O_2), carbon monoxide (CO). When bringing the material to processing temperature, gases might develop, forming : ethylene, alkenes, traces of formaldehyde, acrylaldehyde, traces of acids (Formic acid, acetic acid). Provide appropriate ventilation for such processing conditions. Adequate room and extruder ventilation should be provided.

PHYSICAL DATA

SPECIFIC GRAVITY	:	0.9-0.97 g/cm^3 at 20°C
BOILING POINT	:	Not Applicable
VAPOR PRESSURE	:	Not Applicable
MELTING POINT	:	50-140 °C
SOLUBILITY (WATER)	:	Insoluble
VISCOSITY	:	Not Applicable
IGNITION TEMPERATURE	:	> 360°C
FLASHPOINT	:	Not applicable

4. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS
EYES:
Process vapors may cause eye 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 rapidly under ice, cold 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 applicable

EXTINGUISHING MEDIA:
Use foam, carbon dioxide or water spray when fighting fires involving this material.
HAZARDOUS COMBUSTION MATERIALS:
Carbon dioxide and carbon monoxide
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

HANDLING:
Wear protective equipment. Avoid breathing vapors, fumes or dust. Wash thoroughly after handling. Keep away from heat, sparks and flame.
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.

Do not smoke.

SPILL 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 material, 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 100 Orange-Yellow

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.

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