

1. IDENTIFICATION OF THE SUBSTANCE / COMPANY INFORMATION

Trade Name	:	TASNEE HD IM2050
Chemical Name	:	High Density Polyethylene
Manufacturer	:	Saudi Ethylene and Polyethylene Company (SEPC)
Supplier	:	TASNEE
Contact	:	marketing@tasnee.com / Technical Department
Address	:	Business Gate, Building # C3, King Khalid Int'l Airport Road P.O. Box 26707, Riyadh 11496, Kingdom of Saudi Arabia.
Tel.	:	00966 11 222 2205

2. HAZARD IDENTIFICATION

This product is not classified as hazardous material according to the established norms and regulations.

Potential Health Effects

Eyes	:	Process vapors may cause eye irritation, ensure adequate ventilation.
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 Over-exposure

Eyes	:	Dust may cause irritation or redness.
Skin	:	Not Applicable
Ingestion	:	Not Applicable
Inhalation	:	Dust may cause 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

Environmental effect

The product is not considered as hazard for the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	:	Polyethylene High Density
CAS Number	:	25087-34-7
Additives (%)	:	< 1

4. FIRST AID MEASURES

Eyes	:	Flash eyes with water for several minutes, if irritation persists get medical attention.
Skin/Burns	:	Cool rapidly with cold water. Do not pull solidified material away from the skin. Seek medical attention.
Inhalation	:	In case of excessive inhalation of fumes, move the person to fresh air. Call for medical attention.
Ingestion	:	No specific measures have to be taken if product is swallowed
Antidotes	:	Not Applicable
Notes to Physician	:	None

5. FIRE FIGHTING MEASURES

Fire Hazard	:	Combustible material burns when in contact with a flame. Material can burn with high smoke density. Various levels of toxic gases can be generated during burning.
Released Combustion Products	:	Water, carbon dioxide, and when lack of oxygen, carbon monoxide.
Explosion Hazard	:	Risk of explosion from high concentration of dust accumulation
Flashpoint and method	:	Not applicable
Extinguishing Agents	:	Use foam, carbon dioxide or dry agent on fire. Do not use water jet.
Sensitivity to Static Discharge	:	Material may produce static discharge, igniting dust accumulations.

6. ACCIDENTAL RELEASE MEASURES

Person-Related Safety Precautions	:	Avoid spilling the product, as this might cause falls. Provide appropriate ventilation for such processing conditions. Do not exceed recommended working temperatures. Take precautionary measures against explosion risks may cause by dust accumulation. Take precautionary measures to prevent the formation of static electricity.
Measure for Environmental Protection	:	No special measures required. See section 12 & 13.
Measure for Cleaning/Collecting	:	Recycle product or dispose properly. See section 13

7. HANDLING AND STORAGE INFORMATION

- For Safe Handling : No special requirements necessary, if handled at room temperature.
- When bringing the material to processing temperatures gases might develop, forming: ethylene and alkenes of higher molecular weight. Traces of formaldehyde and acrylaldehyde and traces of acids (formic acid, acetic acid). Provide appropriate ventilation for such processing conditions.
- Do not exceed recommended working temperatures of materials, in case of colored material, the coloring agents might develop decomposition products hazardous to health.
- Take precautionary measures against explosion risks, as all types of polymers may develop dust during transporting or grinding of granules.

Requirements to be met by storerooms and containers:

- Take precautionary measures to prevent the formation of static electricity. Ground the equipment electrically.
- Open flames prohibited
- Well-ventilated and protected with sprinklers.
- Minimize accumulation of dust.



Do not smoke

- Storage Conditions : Protect from heat and direct sunlight.
- The material may react with strong oxidizing agents, material to be stored under dry and cool conditions.

Information about storage in one common storage facility: Not required

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional information about design of technical systems: see section 7.

Additional exposure limit values for possible processing dangers:

107-02-8 Acrylaldehyde WEL

- Short-term value: 0.7 mg/m³, 0.3 ppm
- Long-term value: 0.23 mg/m³, 0.1 ppm

50-00-0 Formaldehyde WEL

- Short-term value: 2.5 mg/m³, 2 ppm
- Long-term value: 2.5 mg/m³, 2 ppm

64-18-6 Formic Acid WEL

- Long-term value: 9.6 mg/m³, 5 ppm

Personal protective equipment
 General protective and hygienic measures: Do not eat, drink or smoke while working.
 Breathing equipment: Use breathing protection in case of insufficient ventilation.
 Protection of hands: Heat resistant gloves
 Eye protection: Safety Glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid Pellets/Granules
 Odor : Nearly Odorless
 Color : Translucent to white
 Physical Data
 Specific Gravity @ 20°C : 0.90 - 0.97 g/cm³
 Boiling Point : Not Applicable
 Vapor Pressure : Not Applicable
 Melting Point : 100 - 140 °C
 Solubility in Water : Insoluble
 Danger of Explosion : Product is not explosive
 Ignition Temperature : > 360°C
 Flashpoint : Not Applicable

10. STABILITY AND REACTIVITY

Stability : The product is a stable thermoplastic material when handled and stored under normal conditions.
 The product decomposes over 360°C.
 Reactivity : No dangerous reactions known.
 No hazardous decomposition products known at room temperature.

11. TOXICOLOGICAL INFORMATION

Acute toxicity / Primary irritant effect
 Skin : No irritant effect.
 Eye : No irritant effect.
 Sensitization : No sensitizing effect known.
 Additional toxicological Information : When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

The product is not classified as hazard to the environment.

Floats on water.

There is no bioaccumulation.

The product is not biodegradable.

13. DISPOSAL CONSIDERATIONS

Recover for reuse or recycle, incinerate for energy with precautions (Ref. section 5) or place in a waste management facility. For waste disposal, refer to local applicable disposal regulations.

14. TRANSPORTATION INFORMATION

No specific precautions have to be taken; the product is not classified as dangerous good by the International Transportation Guidelines.

15. REGULATORY INFORMATION

Designation according to EC / OSHA guidelines : Not classified

Label : Product Name - TASNEE HD IM2050

16. OTHER INFORMATION

The information supplied herein has been based on the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specific product characteristics. TASNEE takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product.

SDS complies with OSHA Guidelines.