

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Identifier

Product Name: IDEMITSU PS  
 Chemical Trade Name: HIGH IMPACT POLYSTYRENE (HIPS)  
 Product Grade Name: HT50, HT52, HT57M, HT552, MS500, IT43, IT45, ET60, ET63, ET65, CT60, NC770  
 CAS No.: Mixture, not applicable  
 GHS product symbol: Not Required

### 1.2 Supplier Details

Company Identification: Petrochemicals (M) Sdn Bhd  
 PLO 409, Off Jalan Pekeliling, Pasir Gudang Industrial Estate  
 81700 Pasir Gudang, Johor, Malaysia.  
 Phone Number: 607-2596 300  
 607-2596424 / 607-2596425 (Control Room)  
 Fax Number: 607-2596 400  
 Email: [info@idemitsu-ps.com.my](mailto:info@idemitsu-ps.com.my)  
 Website: <http://www.idemitsu-ps.com.my>

### 1.3 Recommended use of the chemical and restrictions on use

Use of the mixture: For household appliances and electronic material

## 2. HAZARD IDENTIFICATION

GHS Classification: This product is not a “Hazardous Chemicals” for supply/use according to Occupational, Safety & Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) Regulation 2013 (CLASS).  
 Pictograms: No labeling required  
 Signal words: None  
 Hazard statements: None  
 GHS label: Not required  
 Other hazards: No data available  
 (Non Classification)  
 Cardinal symptom: No data available  
 Emergency summarize: Under the accident or if you feel uncomfortable, seek medical treatment immediately (show the label and SDS as much as possible).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance Mixture 

The name of components	Content (%)	CAS No.
Benzene, ethenyl-, polymer with 1,3-butadiene; Styrene-Butadiene Copolymer; Poly(styrene-Co-butadiene);	≥ 95	9003-55-8
Proprietary ingredients	≤ 5	Trade Secret

Name of Ingredient and Impurities which concentration exceeding the cut-off value for the relevant hazard class as specified in Occupational, Safety & Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) Regulation 2013 (CLASS): None

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## 4. FIRST AID MEASURES

**General First-aid Process:** Under the accident or if you feel uncomfortable, seek medical treatment immediately (as much as possible to show the label and SDS).

**If on skin:** If contact with molten polymer, treat it as thermal burns; do not force to peel the solidified product from the skin, get medical advice/attention immediately.

**If in eyes:** Rinse eyes with clean water carefully for at least 5 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention immediately if you feel unwell.

**If inhaled:** Because of its physical form, it will not be inhaled. If the smoke produced by the product is inhaled, remove the victim to fresh air. Keep the victim warm, quiet and at rest. If cough, breathing difficulty or other diseases' symptoms occur, get medical advice/attention immediately.

**If swallowed:** It is not possible to swallow. If the patient is conscious, let him/her drink lots of water, induce vomiting, get medical advice/attention immediately.

**Acute and Delayed Effect:** No data available

**Cardinal symptom:** No data available

**NOTE TO PHYSICIAN:** Treat symptomatically. Treatment may vary with the conditions of victim and specifics of incident. In all of the potential poisoning conditions, first-aid at the site is important. Show label and SDS when seeking medical advice.

## 5. FIRE-FIGHTING MEASURES

**Fire Fighting Method:** Fight fire from upwind side. Fires involving this material may produce large amount of smoke. If possible, remove containers exposed to heat or cool with water. Use water fog to cool the ambient temperature. Evacuate non-essential personnel to a safe area.

**Extinguishing media:** Foam, Water spray, and water is the best extinguishing media.

**Unsuitable Extinguishing media:** Carbon dioxide and chemical powder cannot cool the material but may reignite, so they are not recommended.

**Harmful Combustion Product:** carbon monoxide, carbon dioxide, aromatic smoke.

**Special Hazards and Risks:** Thermal decomposition produces aromatic smoke.

**Protection for Fire-fighters:** Irritant and toxic smoke and gas will be generated by combustion or decomposition in fire. Full protective equipment and self-contained breathing apparatus (SCBA) should be used for all indoor fires.

**Fire Fighting Notes and Measures:** Use suitable extinguishing media to put out the fire.

**Fire:** Cut off the ignition source and put out the fire from upwind with extinguishing media.

**Surrounding Fire:** Move the container to a safe area. If the containers cannot be removed, use suitable extinguishing media to the containers and package. Use water fog to cool.

Do not allow water from fire-fighting to enter drains, watercourses etc., before disposal.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions and Protective Equipment:** Wear appropriate personal protective equipment such as rubber gloves and full protective suits. Avoid contact with skin and eyes. Wash thoroughly after handling.

**Emergency Procedures:** Adequately ventilate the leakage spaces. Remove all sources of ignition (including non-explosion-proof type electrical devices). If large leakage, evacuate unnecessary and unprotected personnel away immediately. Avoid dust and dust accumulation. It is easy to control the non-hazardous particle when unexpected leakage occurs, but there is a risk of slipping, so the leakage area should be cleaned. Do not touch spills or walk in it.

**Environmental Precautions:** Do not allow the product to enter soil, sewer, drains or any body of water. Sweep up and collect the spillage into bag for waste disposal according to local regulation.

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**Methods and Materials for Containment and Cleaning up:** Clean up and collect the material as much as possible and transfer to chemical waste containers. Clean the residue in the spill area with plenty of water and then filter the water through sieve to contain the spilled resin.

**Prevention measures for secondary disaster:** Clean the contaminated ground thoroughly. Remove all ignition sources and ventilate the site adequately to avoid the secondary disaster.

## 7. HANDLING AND STORAGE

### HANDLING:

#### Precautions for Safe Handling:

- 1) Take measures to prevent accumulation of static electricity.
- 2) Avoid contact with molten polymer. Do not handle roughly.
- 3) Take appropriate engineering measures and use personal protective equipment (see Section 8). Do not get in eyes, or on skin. Do not eat, drink or smoke when using this product. Take off the contaminated clothes and protective equipments immediately, wash mouth and body thoroughly.
- 4) Handle in areas with good ventilation to avoid fumes generated during processing of the resin. Be sure to control the concentration of dust under the allowable concentration limits. Prevent leak and spill in transit. Remove all sources of ignition (including non-explosion-proof type electrical devices). Avoid heating the product unnecessarily or heating the closed containers.

### STORAGE:

#### Safety Storage Conditions:

Under stable condition of temperature and humidity, store in a cool, dry, ventilated place. Avoid direct sunlight and high temperature. Storage period should not exceed six months.

#### Safety Technical Measures:

Keep container tightly closed. Do not mix with oxidizing acid.

**Packaging Materials:** No data available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ACGIH (TLV) Control Parameters:** Administrative level are not establish.

**Engineering Controls:** Use only with adequate ventilation. Provide local exhaust Provide safety shower and eye wash station identified clearly near work area. Do not take the contaminated work suit away from the work place. Wash the contaminated clothing before reuse.

**Monitoring Methods:** No data

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory Protection:** Provide adequate ventilation when operating under high temperature, In case of inadequate ventilation, wear appropriate respirator.

**Eye Protection:** wear appropriate goggles or safety glasses/mask according to the requirement of the manufacturer/supplier.

**Skin and Body Protection:** No special protection. When product leaks, wear antiskid shoes.

**Hand Protection:** No special protection normally. Use insulated gloves when handling hot materials.

**Other Protection:** Do not smoke and eat when using the product. Keep personal hygiene. If exposed or concerned, get medical advice/attention. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Cylindrical pellet or powder

**Odor:** None

**pH:** No data available

**Melting point/Freezing point (°C):** No data available

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**Relative density:** 1.04-1.06

**Initial boiling point and boiling range (°C):** No data available

**Vapor density:** No data available

**Vapor pressure:** No data available

**Surface tension:** No data available

**Decomposition temperature (°C):** No data available

**Viscosity:** No data available

**Partition coefficient (n-octanol/water):** No data available

**Flash point (°C):** No data available

**Auto-ignition temperature (°C):** No data available

**Explosive limits (g/m<sup>3</sup>):** No data available

**Solubility:** Insoluble in water

**Combusted point (°C):** 420 (dust)

## 10. STABILITY AND REACTIVITY

**Stability:** Product is considered stable under normal and recommended handling and storage conditions. It can be corrosive by oxidizing acids.

**Hazardous Reaction:** No data available

**Condition to Avoid:** Keep away from high temperature, sources of ignition, spark and flame. Avoid direct sunlight (light causes yellowing). Avoid contact with oxidizing acids.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

**Incompatible Materials:** Oxidizing acids.

**Hazardous Decomposition Products:** Thermal decomposition produces aromatic smoke.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Not classified

**Skin Corrosion/Irritation:** Classification not possible

**Serious Eye Damage/Eye irritation:** Classification not possible

**Respiratory or Skin Sensitizations:** Classification not possible

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single exposure):** Not classified

**Specific Target Organ Toxicity (Repeated exposure):** Not classified

**Aspiration Hazards:** Classification not possible

**Toxicokinetics, Metabolism and Distribution:** No data available

**Others:** No data available

## 12. ECOLOGICAL INFORMATION

**Ecological Toxicity:** Not classified

**Persistence/Degradability:** Not classified

**Bioaccumulation Potential:** No data available

**Mobility in Soil:** No data available

**The other Negative Impact:** No data available

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## 13. DISPOSAL INFORMATION

**Waste Nature:** Dangerous Waste  Industry Solid Waste

**Method of waste disposal:** Dispose of waste and residues according to agreement with local authorities. Do not dump the product into soil, sewers, drains, underground water or any body of water. Incineration disposal is recommended. It is suggested that incineration in a chemical incinerator equipped with an afterburner and scrubber. The contaminated containers can also be considered for using this method for disposal.

**Note of Disposal:** Dispose of package according to agreement with local authorities also. See Section 8 for the personal protective measures for disposing persons. When contracting an agency for industrial waste disposal licensed by the prefectural governor or local public authorities to dispose of the substance, sign a contract and fully notify the agency of possible danger and harmfulness of the substance.

## 14. TRANSPORT INFORMATION

**UN No. (United Nations Dangerous Goods Code):** Not applicable

**UN Proper Shipping Name:** Not applicable

**UN Class:** Not classified as dangerous by definition in UN Recommendations

**Packing Group:** Not applicable

**Packing Method:** Not applicable

**Marine Pollutant (Yes/No):** No

**Road (ADR / RID):** Not restricted for transport

**Inland waterways (AND):** Not restricted for transport

**Marine (IMO / IMDG) :** Not restricted for transport

**Air (ICAO / IATA):** Not restricted for transport

## 15. REGULATORY INFORMATION

### Malaysia:

- 1) Regulations Occupational Safety and Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) 2013 – Not classified
- 2) Occupational Health and Safety Act 1994 – Not classified.

## 16. OTHER INFORMATION

**Issuing Date:** July 12, 2022

**Note:** The SDS is made for general industry usage to assure the suitable use and disposal methods adopted. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this Safety Data Sheet represents our current data and is accurate to the best of our knowledge, but no warranty is made with respect to such data or assessment. It is the responsibility of the user to handle the product properly after referring to this Safety Data Sheet.

Only the product's safety information is recorded in the Safety Data Sheet. About the requirement for warranty, please refer to the information of technology and specification.

For the further information, users are requested to contact with Petrochemicals (M) Sdn. Bhd.