

SAFETY DATA SHEET

PEES

SECTION 1 Product and Company Identification

Product Name: 1-ethenyl-4-(1-ethoxyethoxy)benzene (PEES)

Company: Heynova (Shanghai) New Material Technology CO., Ltd

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SECTION 2 Hazards Identification

Hazards Identification:

No data available.

Emergency Overview:

Causes skin irritation.

Causes serious eye damage.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Suspected of damaging fertility or the unborn child.

May cause damage to organs: Nervous system, Respiratory organs.

Causes damage organs through prolonged or repeated exposure: Respiratory organs, Nervous system.

SECTION 3 Information on Ingredients

Ingredient	Component Content	CAS No.	EC No.
PEES	100%	157057-20-0	/

SECTION 4 First Aid Measures

Skin Exposure:

In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If Irritation persists, call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Call a physician.

Oral Exposure:

If swallowed, immediately wash out mouth with water provided person is conscious. Call a physician.

SECTION 5 Fire Fighting Measures

Extinguishing Media:

Suitable: Extinguish the fire with water mist, dry powder, foam or carbon dioxide extinguishing agent.

Avoid using direct running water to put out fires, which may cause the splashing of flammable liquids and spread the fire.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place. Receive and treat fire water to prevent environmental pollution.

SECTION 6 Accidental Release Measures

Procedure of personal Precaution:

It is recommended that emergency handling personnel wear air-carrying breathing apparatus, esd clothes, and rubber oil-resistant gloves.

Do not touch or cross the spill.

All equipment used in the operation shall be grounded.

Cut off the leak source as much as possible. Eliminate all ignition sources.

Delimit the warning area according to the influence area of liquid flow, steam or dust diffusion, and the irrelevant personnel should evacuate from the crosswind and upwind to the safe area.

Methods for Cleaning up:

Small leakage: Collect the leaking liquid in an airtight container if possible. Absorb with sand, activated carbon or other inert material and transfer to a safe place. No flushing into the sewer.

Large leakage: build embankments or dig holes for shelter. Seal off the drain. Cover with foam to inhibit evaporation. Transfer to tank truck or special collector with explosion-proof pump for recycling or transport to waste disposal site for disposal.

SECTION 7 Handling and Storage

Handling:

Handle in a well-ventilated place. Wear appropriate protective equipment. Prevent smoke generation. Avoid eye and skin contact and avoid breathing in vapors. Keep away from fire and heat source. Do not smoke in the workplace. Use explosion-proof ventilation systems and equipment. Do not eat in the workplace.

Storage:

Store in cool, ventilated warehouse.

The temperature of the storage should not exceed 11°C.

It should be stored separately from oxidizer and edible chemicals, avoid mixed storage.

Keep container sealed.

Keep away from fire and heat.

The exhaust system shall be provided with a grounding device for conducting and removing static electricity.

Explosion-proof lighting and ventilation Settings are adopted.

Do not use equipment and tools that are prone to spark.

SECTION 8 Exposure Control/ PPE

Engineering Controls:

The production site is separated from other work sites, closed operation to prevent leakage and enhance ventilation. Set up automatic alarm device and accident ventilation. Provide safe shower and eye wash equipment.

Personal Protective Equipment:

Respiratory: Government approved respirator.

Eye: Chemical safety goggles.

Clothing: Wear appropriate protective clothing.

Hand: Protective gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION 9 Physical/Chemical Properties

Appearance: Colorless to light yellow transparent liquid

Odor: Weak odor

Flash Point: 108.705 (lit.)

PH value: No data

Boiling point (760mmHg): No data

Relative density (water =1): 0.983 g/mL at 25°C(lit.)

SECTION 10 Stability and Reactivity

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid:

No data available.

Materials to Avoid: Strong oxidants, Strong acids, Anhydrides, Amides.

Hazardous Decomposition Products: No data

SECTION 11 Toxicological Information

Acute Toxicity: No data

Skin corrosion/irritation: No data

Respiratory sensitization: No data

Skin sensitization: No data

Reproductive toxicity: No data

Specific target organ toxicity- single exposure: No data

Specific target organ toxicity- repeated exposure: No data

SECTION 12 Ecological Information

Ecotoxicity: No data

Persistence and degradability:

No data available.

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

SECTION 13 Disposal Consideration

Appropriate Method of Disposal of Substance:

Recycle as much as possible. If recycling is not possible, turn over the remaining and non-recyclable solution to a licensed company for disposal

SECTION 14 Transport Information

RID/ADR: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: Non-Hazardous for Air Transport : Non-hazardous for air transport.

IMO: Non-Hazardous for Sea Transport : Non-hazardous for Sea transport.

SECTION 15 Regulatory Information

No data available

SECTION 16 Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be Used only as a guide. We make no warranty of merchantability or any other warranty, express or Implied, with respect to such information, and we assume no liability resulting from its use. User should Make their own investigation to determine the suitability of the information for their particular purpose. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or Any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.