

# POLYISOBUTENE

## Material Safety Data Sheet (MSDS)

### 1. PRODUCT IDENTIFICATION

**Product Name:** polyisobutene  
**INCI Name:** hydrogenated polyisobutene  
**Chem. N.:** liquid isoparaffin, propane-2-methyl-homopolymer  
**CAS Number:** 40921-86-6, 61693-08-1  
**EINECS Number:**  
**Origin:** synthetic

### 2. PHYSICAL & CHEMICAL PROPERTIES

**Melting Point:** not applicable  
**Boiling Point:** >260°C (500°F)  
**Refractive Index:** 1.43 - 1.45  
**Volatility:** negligible  
**Specific Gravity:** 0.75 - 0.85  
**Solubility in water:** insoluble  
**pH Value:** not determined  
**Appearance & Odor:** yellowish, viscous liquid, no odor

### 3. STABILITY & REACTIVITY

**Chemical Stability:** stable under normal conditions  
**Incompatibility:** strong oxidizing agents  
**Hazardous Decomposition:** biodegradable; burning can produce carbon monoxide, and carbon dioxide  
**Hazardous Polymerisation:** will not occur

### 4. HANDLING & STORAGE

Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.  
 Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

### 5. ACCIDENTAL RELEASE MEASURES

Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Surface may become slippery after spillage. Use vacuum or broom sweeping and remove to disposal container. If damp, flush with water.

### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

**Respiratory Protection:** Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.  
**Protective Clothing:** Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield recommended for eye protection.  
**Other Protective Measures:** Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

### 7. HAZARDS IDENTIFICATION

**General:** not regarded as serious health hazard.  
**Inhalation:** Inhalation is not an expected route of exposure. Expected to have a low degree of toxicity upon inhalation.

**Eye Contact:** Eye irritant. May cause irritations to the eyes incl. stinging, watering, and redness.  
**Skin Contact:** can cause mild skin irritation; allergic reactions may occur  
**Ingestion:** No harmful effects expected upon ingestion.

### 8. FIRST AID MEASURES

**Eyes:** Irrigate eyes with a heavy stream of water for at least 20 minutes. Seek medical attention if symptoms persist.  
**Skin:** Wash exposed areas of the body with plenty of water.  
**Inhalation:** Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.  
**Ingestion:** First aid not normally required. If gastrointestinal symptoms develop, consult medical attention.

### 9. FIRE FIGHTING MEASURES

**Flash Point:** >151°C (303°F); may burn, but will not ignite readily  
**Extinguishing Media:** water spray, foam, carbon dioxide, dry powder  
**Fire Fighting Procedures:** Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

### 10. TOXICOLOGICAL INFORMATION

**Acute Oral LD50:** no data available  
**Dermal and Eye Irritation Test:** no data available  
**Carcinogenicity:** no data available  
**Mutagenicity:** no data available

### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

### 12. TRANSPORT INFORMATION

**General Information:** not regarded as hazardous material  
**DOT Shipping Name:** not classified as hazardous material  
**ADR/RIC Code:** Refer to corresponding hazard class  
**Sea Transport IMDG Code:** Refer to corresponding hazard class  
**Air Transport IATA:** Refer to corresponding hazard class

### 13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

ALL DATA HEREIN ARE ALL AS PER OUR SUPPLIER.