

MATERIAL SAFETY DATA SHEET
IDEMITSU PETROCHEMICAL CO., LTD.

MSDS No. : 1541-3

[PHONE]

IDEMITSU PETROCHEMICAL HEAD OFFICE

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PREPARED DATA: June 24, 1997

SECTION - IDENTIFICATION

PRODUCT NAME : IMMERSION OIL

CHEMICAL FAMILY : Polybutene & Di-allylalkanes

SECTION - INGREDIENTS/IDENTITY INFORMATION

COMPOSITION	Approx. Weight Percentage	CAS. No.
Polybutene	60%	9003-28-5
Di-allylalkans	40%	6196-95-8 6165-51-1 6165-52-2 64800-83-5

SECTION - HEALTH INFORMATION

ROUTES OF EXPOSURE AND EFFECTS

EYE :

Though contact with the eye is unlikely to cause irritation, it may cause discomfort.

SKIN :

Moderately irritating to the skin by prolonged or repeated exposure.

INHALATION :

Vapor inhalation may cause mildly irritation to upper respiratory tract.

INGESTION :

Harmful. If more than several mouthfuls are swallowed, abdominal discomfort and nausea may occur.

SECTION - FIRST-AID MEASURES

EYE :

Immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids with water. Get medical attention immediately.

SKIN :

Wash skin with plenty of soap and water until all traces of material are removed. Remove and clean contaminated clothing and shoes. Get medical attention if skin irritation persists or skin contact has been prolonged.

INHALATION :

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, qualified personnel may administer oxygen. Get immediate medical attention.

INGESTION :

If swallowed, get immediate medical attention. Only induce vomiting as directed. Never give anything by mouth to an unconscious or convulsing person.

SECTION - FIRE FIGHTING MEASURES

FIRE FIGHTING :

Use dry chemical, foam or carbon dioxide. Water is not the preferred extinguishing medium, but water spray should be used to cool fire-exposed containers.

Respiratory and eye protections are required for fire fighting personnel.

EXTINGUISHING MEDIA :

Dry chemical, carbon dioxide and foam.

FLASH POINT : 154 (C.O.C.)

LOWER FLAMMABLE LIMIT : Not estimated yet.

UPPER FLAMMABLE LIMIT : Not estimated yet.

SECTION - ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Absorb spill with inert material (e.g. dry sand), then place in a chemical waste containers. Prevent entry into sewers and waterways.

SECTION - HANDLING AND STORAGE

HANDLING :

Use only in well-ventilated areas. Avoid contact with skin or eyes using adequate protective equipment. Shut off all sources of ignition during use and until all vapors (odors) gone. Prevent spills from entering sewers or water course.

STORAGE :

Store in a cool well ventilated location and prevent build-up electrostatic charges (e.g. by grounding). Use reduced-sparking hand tools.

SECTION - EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE/FACE :

Wear safety glasses. When contact with this material is likely, chemical goggles are recommended.

SKIN :

Wear gloves resistant to chemicals.

SECTION - PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Colorless liquid
Boiling Point : 200 <
Specific Gravity (15/4) : 0.918
Vapor Pressure (mmHg 20) : Not estimated yet.
Vapor Density (Air=1) : Not estimated yet.
Solubility in water : Nil
pour point : -50
Evaporation Rate (B.A.=1) : Not estimated yet.

SECTION - STABILITY AND REACTIVITY

STABILITY :

Stable under recommended conditions of storage and handling.

REACTIVITY :

Reacts with strong oxidizing agents above 65

SECTION - TOXICOLOGICAL INFORMATION

ACUTE :

The LD₅₀(mouse) of polybutene is greater than 20g/kg.

The LD₅₀(rats) of di-allylalkanes is around 2,000mg/kg.

CARCINOGENICITY :

Observation in rats exposing to 15mg/kg/day of di-allylalkanes for up to 24 months has not indicated carcinogenic potential.

EXPOSURE LIMITS :

This product dose not contain reportable hazardous ingredients as defined by OSHA Hazard Communication (29CFR 1910,1200).

SECTION - DISPOSAL CONSIDERATION

Burn in a chemical incinerator equipped with afterburner. Do not dump into sewers, on the ground or into any body of water. Dispose of empty containers after cleaning them out.

SECTION - OTHER

The information contained herein is based on the data available to us and is believed to be correct. However, IDEMITSU PETROCHEMICAL makes no warranty, expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. IDEMITSU PETROCHEMICAL assumes no responsibility for injury from the use to the product described herein.

PREPARED BY

SAFETY, ENVIRONMENTAL & QUALITY ASSURANCE DEPARTMENT
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