

MATERIAL SAFETY DATA SHEET

Polyether Polyol

1. Product and Company Identification

Chemical Name/Trade Name: Puranol D 220

Manufacture name: Jiahua Chemicals Inc.

Address: RM D-E 25 FL, International Shipping & Finance center, No.720 Pudong Ave, Shanghai China.

International Dept. Tel: 86 021 50816057

2. Hazards Identification

Emergency Overview

Color: Colorless **Form:** liquid **Odor:** slight.

Product poses little or no hazard if spilled. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Irritating gases/fumes may be given off during burning or thermal decomposition.

Potential Health Effects

Primary Routes of Entry: Skin Contact, Eye Contact

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

General Effects of Exposure

Acute Effects of Exposure

For Product: Puranol D 220

Not expected to cause any adverse acute health effects.

Chronic Effects of Exposure

For Product: Puranol D 220

Not expected to cause any adverse chronic health effects.

Carcinogenicity:

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

3. Composition/Information on Ingredients

There is no apparent danger for application in industry.

4. Emergency and First aid measures

Eye contact

In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.

Skin contact

In case of skin contact, wash affected areas with soap and water. Thoroughly clean shoes before reuse.

Wash clothing before reuse. Get medical attention if irritation develops and persists.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if irritation develops.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

5. Fire-fighting measures**Suitable extinguishing media**

Carbon dioxide (CO₂), Dry chemical, Foam, Water spray for large fires.

Special Fire Fighting Procedures

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

6. Accidental release measures**Spill and Leak Procedures**

Dike or dam spilled material and control further spillage, if possible. Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal. Collect and place in appropriately marked sealable containers for disposal. Wash spill area with soap and water.

7. Handling and storage**Storage temperature:**

maximum: 50 °C (122 °F)

Storage period

24 months

Handling/Storage Precautions

Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling. Keep container closed when not in use. Material is hygroscopic and may absorb small amounts of atmospheric moisture. If contamination with isocyanates is suspected, do not reseal containers. Avoid inhalation of vapour or mist.

Further Info on Storage Conditions

Material can be stored safely at ambient temperatures.

8. Exposure controls/personal protection**Industrial Hygiene/Ventilation Measures**

Use local and general exhaust ventilation to control levels of exposure.

Respiratory protection

None required under normal conditions of use. NIOSH approved air-supplied respirator during die cleaning, high temperature processing or when thermal decomposition is suspected.

Hand protection

Permeation resistant gloves. Butyl rubber gloves. Nitrile rubber gloves. Neoprene gloves

Eye protection

Safety glasses with side-shields

Skin and body protection

No special skin protection requirements during normal handling and use.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and chemical properties

Form:	liquid
Color:	colorless
Odor:	slight
pH:	-
Freezing Point:	Not Established
Boiling point/boiling range:	> 250 °C @ 1,013 hPa
Flash point:	Not Established
Vapour pressure:	Not Established
Specific Gravity:	1.031 @ 25 °C
Solubility in Water:	Less than 1%
Auto ignition temperature:	No data available
Decomposition temperature:	Not established
Viscosity, dynamic:	200-400 cP @ 25 °C (77 °F)
Molecular Weight:	-
Hydroxyl Value:	54-58 mgKOH/g
Hygroscopicity:	Hygroscopic

10. Stability and Reactivity**Hazardous Reactions**

Hazardous polymerisation does not occur.

Stability

Stable

Materials to avoid

Oxidizing agents, Isocyanates

Conditions to avoid

None known.

Hazardous decomposition products

By Fire and Thermal Decomposition: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke. Other undetermined compounds

11. Toxicological information**Toxicity Data for Puranol D 220****Toxicity Note**

No data available for this product.

12. Ecological information**Ecological Data for Puranol D 220****Additional Ecotoxicological Remarks**

No information available for this product.

13. Disposal considerations**Waste Disposal Met**

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Recondition or dispose of empty container in accordance with governmental regulations. Empty containers retain product residue; observe all precautions for product. Do not heat or cut container with electric or gas torch.

14. Transport information**Land transport (DOT)**

Non-Regulated

Sea transport (IMDG)

Non-Regulated

Air transport (ICAO/IATA)

Non-Regulated

15. Regulatory information

No data is available

16. Other information

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