

Puranol HP 505

Safety Data Sheet

Date of issue: 2017.11



Version: 1.0

SECTION 1: Identification of the substance/mixture and the company/undertaking

1.1. Product identifier

Product form : Substances
Trade name : Puranol HP 505
Chemical name : Polymer polyol
IUPAC name : Polymer polyol
CAS No : 57913-80-1
Type of product : Organic products
Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance/mixture : Polymer polyol

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Shanghai Fujia Fine Chemical Co., LTD
No.258 Haijin Road,
Shanghai (201500), P.R. China
T: +86-21-20670888
F: +86-21-50125277
E:manager@jiahua-china.com

1.4. Emergency telephone number

Emergency number : +86-21-20670888

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Adverse physicochemical, human health and environmental effects

To our knowledge, the product does not present any particular risk, under normal conditions of use.

2.2. Label elements

Hazard pictogram : Not classified (Based on available data, the classification criteria are not met)
Hazards information and warning : warning
words
Preventive measures : Avoid exposure to skin, eye, inhalation and ingestion.
Other hazards information : No data available

2.3. Other hazards

Other hazards not contributing to the classification : No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3: Composition/information on ingredients

3.1. Substance

Substance type : Mixture
Name : Polymer polyol
CAS No : 57913-80-1

Name	Product identifier	%
Polymer polyol	(CAS No) 57913-80-1	≈ 100

Full text of R- and H-phrases: see section 16

3.2. Mixture

Glycerin, propoxylated, grafted polyether, vinyl homopolymer and copolymer.

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Remove victim to fresh air. Remove contaminated clothes.
- First-aid measures after inhalation : Remove victim to fresh air. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Wash with plenty of soap and water. If irritation persists, consult a doctor.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Take victim to a doctor if irritation persists.
- First-aid measures after ingestion : Rinse mouth out with water. Drink plenty of water. Consult a doctor/medical service.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : No significant symptoms are expected due to the non-classification of the product.

4.3. Indication of any immediate medical attention and special treatment needed

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Hazardous vapours may be released.
- Explosion hazard : No data available on indirect explosion hazard.
- Reactivity in case of fire : Evolution of fumes.
- Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

- Precautionary measures fire : Approach from upwind. Avoid static electricity discharges. Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
- Firefighting instructions : Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Wear self-contained breathing apparatus and protective suit (see item 8).
- Other information : May release : Hazardous combustion products.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Wear personal protective equipment.

6.1.1. For non-emergency personnel

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

- Protective equipment : For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- For containment : Clean up any spills as soon as possible, using an absorbent material to collect it.
- Methods for cleaning up : Absorb spillage to prevent material damage.
- Reactivity in case of fire : Evolution of fumes.
- Other information : May be dangerously slippery if spilled.

6.4. Reference to other sections

Reference to other sections (8, 13).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : No specific measures are required if the product is handled in accordance with the general rules of occupational hygiene and safety.
- Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practice. Do not discharge the waste into the drain.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate air ventilation.
Storage conditions	:	Store in a cool, well-ventilated place. Protect against frost. Protect from heat and direct sunlight. Store in original container.
Incompatible products	:	Strong bases. Strong acids.
Storage temperature	:	< 50 °C
Heat and ignition sources	:	Protect from heat and direct sunlight.
Prohibitions on mixed storage	:	Store away from strong oxidizers, strong bases, strong acids. Segregate from foodstuffs.
Storage area	:	Keep out of direct sunlight. Protect against frost.
Packaging materials	:	No data available.

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information	:	No available information on product
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8.2. Exposure controls

Appropriate engineering controls	:	Good ventilation of the workplace required. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.
Personal protective equipment	:	In case of splash hazard: safety glasses. Gloves. Protective clothing.
Hand protection	:	Suitable chemical resistant safety gloves also with prolonged, direct contact. E.g. nitrile rubber, chloroprene rubber, butyl rubber and other.
Eye protection	:	Use splash goggles when eye contact due to splashing is possible.
Skin and body protection	:	Skin protection appropriate to the conditions of use should be provided.
Respiratory protection	:	None under normal conditions.



Thermal hazard protection	:	On heating: self-contained breathing apparatus.
Environmental exposure controls	:	Assure that emissions are compliant with all applicable air pollution control regulations.
Other information	:	Wash hands and face before break and at end of works. Separate working clothes from town clothes. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid.
Appearance	:	liquid.
Colour	:	milky white
Odour	:	slight.
Odour threshold	:	not applicable, odour not perceivable
Relative evaporation rate (butyl acetate=1)	:	Not determined
Melting point	:	Not applicable
Freezing point	:	Not determined
Boiling point	:	> 250 °C @ 1,013 hPa
Flash point	:	Not determined
Critical temperature	:	Ignition temperature
Auto-ignition temperature	:	Not determined
Decomposition temperature	:	Not determined
Flammability (solid, gas)	:	No data available
Vapour pressure	:	Not determined

Relative vapour density at 20 °C	:	Not determined
Relative density	:	Not determined
Density	:	Not determined
Solubility	:	Water: < 1 % Practically not miscible
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	1500 - 3500 mPa.s @25°C
Explosive properties	:	Based on the chemical structure there is no indicating of explosive properties.
Oxidising properties	:	No data available.
Explosive limits	:	For liquids not relevant for classification and labelling

9.2. Other information

Other properties	:	Hygroscopic.
Additional information	:	The substance/product is marketed or used in a non solid or granular form

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

Stable under normal conditions of use. Polymerisation: none.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None known during use and storage if used according to instructions.

10.5. Incompatible materials

Isocyanates. Oxidizing agent.

10.6. Hazardous decomposition products

carbon oxides (CO and CO₂). Nitrogen oxides. When heated to decomposition, emits dangerous fume

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/irritation	:	No data available
Respiratory or skin sensitisation	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	No data available
Reproductive toxicity	:	No data available
Specific target organ toxicity (single exposure)	:	No data available
Specific target organ toxicity (repeated exposure)	:	No data available
Aspiration hazard	:	No data available
Potential adverse human health effects and symptoms	:	Virtually non toxic after a single ingestion. Virtually non toxic after a single skin contact.
Other information	:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
Ecology - air	:	No information available about this product.
Ecology - water	:	There is a high probability that the product is not acutely harmful to aquatic organisms. Not in groundwater, surface water or sewerage.

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Additional information	The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
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12.2. Persistence and degradability

Puranol HP 505 (57913-80-1)	
Persistence and degradability	Moderately biodegradable.

12.3. Bioaccumulative potential

Puranol HP 505 (57913-80-1)	
Bioaccumulative potential	This material has not been tested.

12.4. Mobility in soil

Puranol HP 505 (57913-80-1)	
Ecology - soil	Adsorption to solid soil phase is not expected. Volatility: No information available about this product.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects	: Not known.
Additional information	: The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Remove waste in accordance with local and/or national regulations.
Waste treatment methods	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Sewage disposal recommendations	: Do not discharge into drains or the environment.
Waste disposal recommendations	: Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Additional information	: Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. Handle uncleaned empty containers as full ones.
Ecology - waste materials	: Empty containers should be thoroughly rinsed with large quantities of clean water. Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special precautions for user

14.6.1. Overland transport

14.6.2. Transport by sea

14.6.3. Air transport

14.6.4. Inland waterway transport

Not subject to ADN : No

14.6.5. Rail transport

Carriage prohibited (RID) : No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. Chinese regulations

- Relevant regulations and label information of chemicals : The regulation on workplace safety use regulation of chemicals ([1996] No.423 released by labor department)
GB15258-2009 Chemical safety and label writing regulations.
- Waste disposal regulations : The P.R. China's law on the prophylaxis and control of environmental pollution by solid waste.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes:

- Data sources : Manufacturer/Supplier.
- Other information : No further information available.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product