

**Material Safety Data Sheet****Product Name: Pro-Xylane**

Version Number: 1.0

Project Number:

Material Safety Data Sheet is prepared in accordance with GB / T 16483 and GB / T 17519.

Tabulation Date: **May 25, 2020****Part 1: Product and Company Identification****Chemical Chinese Name:** Hydroxypropyl Tetrahydropyrantriol**Other Name:** Pro-Xylane**Molecular Formula:** C₈H₁₆O₅**CAS No.:** 439685-79-7**Relevant Identified Purposes:** It can stimulate the production of glycoaminoglycans (GAGs) and prevent the moisture loss in the skin, thus effectively improving the skin elasticity and slowing down the skin aging.**Company Name:** ZLEY Holdings (Suzhou) Co., Ltd.**Company Address:** Floor 10, Building 2, Yushan Square, New District, Suzhou City, Jiangsu Province, 215000.**Tel:** 0512-87775990/18626205929**Fax:** 0512-87775990**Website:** <http://www.zley.net/>**E-mail:** baron58@vip.qq.com**Emergency Tel:** 4000928866**Part 2: Information on Ingredients/Compositions**

Composition	Mass Percentage (%)	CAS
Water	35	7732-18-5
Hydroxypropyl Tetrahydropyrantriol	30	439685-79-7
Butanediol	35	107-88-0

Part 3: Overview of Hazards

Absorption approaches	Respiratory tract, skin, eyes, mouth
Chemical interactions	No interactions with other components have been found by far.
Major medical diseases caused by excessive leakage	No relevant information
Hazard category	This product is not included in the CSH and GB 13690-92 hazardous chemicals.

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Inhalation toxicity	This product is liquid. The inhalation through the respiratory tract is harmful to health. But only the smell will have no adverse effects on health.
Supplemental health hazard information	No additional health information
Inhalation irritation	No irritation from breathing
Skin exposure	No significant adverse effects
Eye exposure	No allergies, corneal involvement or visual impairment caused by exposure.
Intake exposure	No irritation
Acute target organ toxicity	Unknown
Chronic target organ toxicity	Unknown

Part 4: First Aid Measures

Skin Exposure	Please remove the contaminated clothes and immediately rinse thoroughly with plenty of running water.
Eye Exposure	Please lift the eyelids and rinse thoroughly with plenty of running water or normal saline immediately. Seek medical attention if necessary.
Inhalation Exposure	Please remove immediately to fresh air and seek medical attention if symptoms occur.
Oral Exposure	People who swallow the product should immediately rinse the mouth and seek medical attention if necessary.

Part 5: Fire-Fighting Measures

Hazardous characteristics	Liquid, non-flammable. It is unknown that whether the product is explosive.
Appropriate extinguishing agent	Water, mist water, dry powder, carbon dioxide
Fire-fighting methods	Cut off the ignition source of the fire and use appropriate extinguishing agents to put out the fire. The fire should be put out in the upper wind as much as possible. Appropriate measures should be taken when firefighters put out the fire and discharge the water so as to prevent substances that have adverse impacts on the environment from flowing out.
Special fire-fighting equipment to protect firefighters	Firefighters should wear appropriate protective equipment (gloves, glasses, masks, etc.) during fire-fighting operations. Skin exposure and eye exposure should be avoided.
Other information	None

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**Part 6: Accidental Release Measures**

Human safety protection measures	Not necessary
Environmental protection measures	Do not discharge into the sewage system or any water channels.
Collection/cleaning measures	Small leakage: Avoid dusts. Use a clean shovel to collect and place it in dry, clean and covered container. Substantial leakage: Collect and recycle or transport to the waste disposal sites for disposal.

Part 7: Handling and Storage

Operation Precautions	Operators must have special training and strictly follow the operating regulations. Attention should be paid to personal protection during packaging and handling operations. Please operate lightly during the handling process so as to prevent damage to packaging and containers.
Storage Precautions	It should be stored in a cool, dry and well-ventilated warehouse. Keep away from ignition and heat sources. The humidity in the warehouse is preferably not exceed 85%. The packaging must be sealed and not damp. It should be stored separately from combustibles (inflammables) and acids. Mixed storage is not allowed. The storage area should be equipped with suitable materials to contain the leakage. Please check whether all labels are clear and leak-free in real time.

Part 8: Exposure Controls/Personal Protection

Allowable concentration	There are no substances with occupational exposure limits.
Engineering control	The production process is hermetic; general ventilation.
Respiratory protection	Please wear suitable protective masks to reduce the respiratory damage. If there is a large amount of leakage, operators should wear chemical protective clothing, including self-contained breathing apparatus.
Hand protection	Please wear appropriate protective gloves to reduce the contact with chemicals.
Eye protection	Please wear protective goggles or eye protection equipment with respiratory protection.
Skin and body protection	Please wear appropriate protective clothing based on the requirements of the working environment to reduce contact with the skin. Please choose right protective equipment in accordance with properties of certain hazardous substances and the requirements of the workplace.

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Part 9: Physical and Chemical Properties

Appearance	Colorless to yellowish transparent liquid	Heavy metals	≤20ppm
Physical state	Liquid	Total number of colonies (CFU/ml)	≤100CFU/ml
Smell	Tasteless to slightly characteristic odor	Mould & Yeast (CFU/ml)	≤100CFU/ml
Molecular weight (g/mol)	192.1	Escherichia coli (CFU/ml)	Not detected
Solubility	Water-soluble	Pseudomonas aeruginosa (CFU/ml)	Not detected
Recommended dosage	1-10%	Staphylococcus aureus (CFU/ml)	Not detected
PH value	None	Upper explosive limit	None
Melting point (°C)	None	Lower explosion limit	None
Boiling point (°C)	None	Volatile components (% volume)	None
Flash point	Not applicable	Flammability	Non-flammable

Part 10: Stability and Reactivity

Stability	There are incompatible materials. The substances are considered to be stable. There will be no dangerous polymerization reactions.
Reactivity	Please see Part 7

Part 11: Toxicological Information

Toxicity	None
Irritation	None

Part 12: Ecological Information

Biodegradation	Degradable
Other	None
Potential Bioaccumulation	Low
Mobility In Soil	Low

Part 13: Disposal Considerations

Waste Chemicals	Recycle as much as possible, or consult the manufacturer about the recycling methods. Consult the local waste management department for the disposal
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	<p>methods.</p> <p>Bury the residues in an approved landfill.</p> <p>If possible, recycle the container or discard it in an approved landfill.</p>
Contaminated Packaging	Please refer to the section above

Part 14: Transport Information

Air Freight (ICAO-IATA /DG, 61th edition)	Not regulated as dangerous goods
Ocean Freight (IMDG-Code / GGVSee, 39-18)	Not regulated as dangerous goods
Notes	It is necessary to check whether the packaging container is complete and sealed before transportation. During transportation, the product should be isolated from the power source and ignition sources.

Part 15: Regulatory Information

Country and Region	Regulation Name	Yes/No
China	China Existing Chemical Inventory	Yes

Part 16: Other Information

None

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