

Product technical specification

Revision Date: 2026-02-06

TDS Number: WSHH_0016

Product name: Neopentyl glycol solution (90%)

Version: V 6.0

Product use

Neopentyl glycol solution (90%) is used mainly for the production of saturated / unsaturated polyester resin, oleate-free resin and polypolyester

Metactanols and esters used for synthetic lubricants, polyurethane foam and elastomers, additives for advanced lubricants, and other fine chemicals. NPG binds to the polyester resin molecular chain, making the resin has excellent chemical stability, hydrolysis resistance, weather resistance, corrosion resistance, aging resistance and thermal stability, these properties are particularly important in high-grade coatings, among which the application and development of new pentadiol in the powder field of coatings are the most prominent. In addition, the new pentadiol is also used in the pharmaceutical industry.

Physical and chemical performance

The Project	Indicators
Purity (in dry base), % (m/m)	≥ 99.2
Water, % (m/m)	9.5~10.0
50% (m/m) aqueous solution color number, Hazen	≤ 5
Acid content (measured by acetic acid), % (m/m)	≤ 0.01

Packaging specifications

Neopentyl glycol solution (90%) is generally used in a special tank truck.

Storage (use) precautions

Store in a cool, ventilated, dry warehouse. Stay away from the fire, the

heat source. Keep the container closed. The warehouse temperature should not be less than 35°C. It is recommended to be stored at 55–80°C and should be stored separately from the oxidant to avoid mixing. Explosion-proof lighting and ventilation facilities are adopted. The use of mechanical equipment and tools are prohibited. The storage area shall be provided with leakage emergency treatment equipment and suitable storage materials.

Shelf life

Shelf life 1 year.

For information on safety and environmental protection, please refer to our safety data instructions for our products or contact our customer service center.

Version information

First Release Date: October 20,2015 Version number: V 1.0

First revision date: June 30,2017 Version number: V 2.0 revision reason: template change. Second revision date: June 16,2020 Version number: V 3.0 revision reason: customer service telephone, company name change.

Third revision date: June 2,2021 Version number: V 4.0 revision reason: Storage (use) precautions revision.

Fourth revision Date: April 26, 2024 Version numbe: V 5.0 Reason for revision: The recommended storage temperature was revised.

Fifth revision date: February 6, 2026 Version number: V6.0 Revision reason: Company name change

The indicators and data presented in this data are based on our existing technical knowledge and practical experience, for reference only. The specific assurance index shall be subject to the quality guarantee letter or the supply contract provisions. The user has the responsibility to test the products of our company to verify the suitability for their proposed processes and uses and to achieve the intended purpose. Further application and processing of our products are not within our control, so our responsibility for the products provided is limited to the parts delivered and used by you. Do not bear the indirect losses caused by the production process of using our company's products for raw materials. Our Marketing Department Technical Support and Customer Service Center is willing to provide you with consulting and application technology services about the products, so we are welcome to call.

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