

Product Information

Polyether Polyol DMN-450B



DEXIN DMN-450B is a glycerin propoxylated polyether triol with an average molecular weight of 450. It is primarily used in semi-rigid packing foam, rigid foam, coatings, adhesives, sealants and elastomers. It acts as a cross-linker and it can reduce the viscosity for rigid foam formulations.

Typical Properties	Limits	Units
Appearance	colorless viscous liquid	
OH Number	360-390	mgKOH/g
Acid Number	≤0.05	mgKOH/g
Water Content	≤0.05	%
Viscosity	200-500	mPa.s/25°C
K+	≤10	ppm
pH	5.0-7.0	
Color	≤50	Apha
CAS #	25791-96-2	

Storage & Handling

Recommended storage temperature(°C):10-35.

Shelf life:12 months if stored in sealed, moisture-tight containers. Partially used containers should be tightly resealed due to hygroscopic nature of the product.

Polyol DMN-450B has a very low odor of acute toxicity and is neither irritating nor sensitizing to the skin, does not present a significant health hazard to users. Normal care should be taken to avoid unnecessary contacts, splashes in the eyes or accidental ingestion.

Packing

DEXIN DMN-450B is supplied in steel drums, Iso Tank, Flexi Tank & IBC.

When in drums, the average net weight is 210kgs & the average gross weight is 229kgs;

When in Iso Tanks, the net weight is 23mts with 5% more or less;

When in Flexi Tanks, the net weight is 21mts with 5% more or less;

When in IBC, the average net weight is 1000kgs & the average gross weight is 1056kgs.

Toxicity and First Aid

Most polyether polyols generally present no significant hazard in use when simple precautions are followed. However, some polyether polyols might present some hazards and before working with these products it is

necessary to understand the hazards involved. These polyols are commonly used in "urethane" systems that contain other more hazardous materials (e.g. isocyanates, amines). Anyone working with urethane systems must understand all the hazards involved in handling such systems and must establish and follow safe work procedures. Recommendations for handling, storage, and disposal of each formulation ingredients should be obtained from its supplier.

Skin and Eyes

When working with polyether polyols, avoid contact of polyol with eyes or skin. Safety glasses are suggested for use with most polyols. However, some polyether polyols require that chemical workers' goggles be worn. Skin contaminated with polyols should be washed with soap and plenty of water. If polyol contacts eyes, flush with plenty of low-pressure flowing water. If irritation occurs from contact with polyols, get prompt medical attention.

Ingestion

If a polyol is swallowed, give large amounts of water to dilute, but never give fluids or induce vomiting if patient is unconscious or is having convulsions. Obtain prompt medical attention.

Inhalation

Polyether polyols when present alone do not present a significant problem from inhalation. If any ill effects should occur, get the affected person to fresh air and obtain prompt medical attention.

Fire and Explosion

Polyether polyols are organic materials that will burn under the right conditions of heat and oxygen supply. Store and handle polyols away from open flame or high heat sources. Fires can be extinguished with water fog or other conventional means. Fire fighters should wear positive pressure, self-contained breathing apparatus. While polyols have no known explosion limits, if heated to decomposition in a confined area, they may generate sufficient volatile gases to be an explosion hazard. Polyols are stable under normal conditions. Materials to avoid are oxidising compounds. Hazardous polymerisation may occur with isocyanates.

Spills and Disposal

The preferred way of disposal is to incinerate under controlled conditions in accordance with all local and national environmental laws and regulations.

Customer Notice

Zibo Dexin Lianbang encourages its customers to review their applications of Zibo Dexin Lianbang products from the standpoint of human health and environmental quality. To help ensure that Zibo Dexin Lianbang products are not used in ways for which they were not intended or tested, Zibo Dexin Lianbang personnel are willing to assist in dealing with ecological and product safety considerations. Your Zibo Dexin Lianbang representative can arrange the proper contacts.

Updated Aug.04,2020

Important: The information contained in this product data sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. Zibo Dexin Lianbang, however, makes no representation as to the completeness or accuracy. Zibo Dexin Lianbang makes no warranty, express or implied, with respect to the data contained herein. Zibo Dexin Lianbang can not anticipate all conditions under which this data and the product may be used. The conditions of handling, storage, use and disposal of the product are beyond Zibo Dexin Lianbang's control. Thus we expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information contained herein. You are advised to make your own determination as to safety, suitability and appropriate manner of handling, storage, use and disposal. For further information please consult the appropriate Zibo Dexin Lianbang Material Safety Data Sheet.

Warning: These products can be used to prepare a variety of polyurethane products. Polyurethanes are organic materials and must be considered combustible.



ZIBO DEXIN LIANBANG CHEMICAL INDUSTRY CO, LTD

Add: Rm1904,Building E, ChuangYe HuoJu Square, Zhangdian,Zibo,Shandong, P.R.China

Tel: 0086-533-3146343

Fax: 0086-533-3142021

E-mail: arnie@dexin-chem.com