

Poly-G[®] 83-49

Poly-G[®]* 83-49 polyol is a hetero polyol that contains unusually high ethylene oxide content, imparting good hydrophilic properties to products made with it. It has been used in applications ranging from soft elastomers to sponge-like flexible foams.

A glycerol –based triol, *Poly-G* 83-49 polyol has a nominal molecular weight of 3500. It is a stable, practically colorless liquid that is neither volatile nor corrosive.

Typical physical properties are presented in Table 1.

Table 1
Typical Physical Properties

Hydroxyl No. (mgKOH/g)	48
Water, max (% by weight)	0.05 max.
Acid No. (mgKOH/g)	0.04 max.
Color (APHA)	50 max.
pH in 10/6 Isopropanol/Water	5.5-6.5
Viscosity @ 25°C (cps)	750-1000
Specific Gravity @ 25°C	1.10

Storage and Handling

Poly-G 83-49 polyol presents no unusual problems for ordinary handling and storage. Consideration must be given to some of its properties when high product purity must be maintained. *Poly-G* 83-49 polyol should be stored in a cool, dry area. To prevent moisture absorption, this product may be stored under an atmosphere of dry nitrogen.

Poly-G 83-49 polyol is hygroscopic. While water content at the time of shipment is extremely low, the product can absorb atmospheric moisture in amounts up to several percent of its weight.

Thus, storage should be in drums or bulk tanks under a blanket of dry nitrogen or -40°C dew point dry air. Calcium chloride or silica gel drying systems should be installed on all vents to prevent atmospheric moisture from entering the tank.

See "Storage and Handling of *Poly-G* Polyols" for recommendations of construction materials and heating systems.

For More Information Technical Service

Technical service is available to facilitate further use of Monument Chemical products. If you have a specific question or need further information, please write or call Monument Chemical, Customer Service, 2450 Olin Road, Brandenburg, KY 40108; (800) 636-3786, or fax: (270) 422-6456.

Or visit our web site at: www.monumentchemical.com

How To Order

To place orders for delivery in the U.S. or Canada and to get fast answers on order status or product availabilities, call our toll-free number: (800) 636-3786.

For written inquiries about orders, and to place confirmations, send to Monument Chemical, Customer Service, 2450 Olin Road, Brandenburg, KY 40108.

Please refer to the Material Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, call Monument Chemical at (800) 636-3786. Before using or handling this product, the SDS should be thoroughly reviewed.

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