

CARADOL Polyether Polyols Product Stewardship Summary

CAS number

Please contact your local customer service centre for advice on any CARADOL polyether polyol CAS numbers or chemical formulae.

What are CARADOL polyether polyols?

CARADOL polyether polyols are derived from propylene oxide. They are organic materials with two or more alcohol end-groups (OH) and sometimes with micrometer polymer particles present in suspension. When polyether polyols and isocyanates are reacted together they form polyurethanes.

CARADOL polyether polyols are available in a wide range of molecular weights and it is this variety which gives rise to a wide range of processing and application possibilities.

How are CARADOL polyether polyols used?

CARADOL polyether polyols, when combined with isocyanates, are used in urethane applications, such as flexible foam, and in Coatings, Adhesives, Sealants & Elastomer (CASE) systems. As a result we may encounter them in a wide variety of goods including furniture, car seating, bedding, paints and coatings, artificial sports tracks, playground surfaces, ski suits and other waterproof leisure wear.

CARADOL polyether polyols are also used in non-urethane applications such as surfactants and oil demulsifiers.

Health, Safety and Environmental considerations

Most CARADOL polyols are generally considered to present low environmental toxicity. There are a few lower molecular weight products that are classified as “harmful if swallowed” (CARADOL ED 260-02, CARADOL ED 110-03) or “irritant” (CARADOL LP 530-03) but under normal usage conditions they should not present any hazards.

CARADOL polyols are not classified as flammable.

Storing and transporting polyether polyols

CARADOL polyols are transported by road, rail and sea both as bulk and non-bulk quantities. CARADOL polyols are not classified as hazardous for transport under any transport regulations.

CARADOL polyols are slightly hygroscopic and must be stored under conditions that prevent contamination with water or absorption of moisture. Contact with copper, copper alloys or zinc must be avoided. CARADOL polyols should be stored at ambient temperature.

Risk Characterization Summary

Risks associated with exposure to these products have been evaluated for the following “chain-of-commerce” activities: manufacture, storage, product transfer, transportation, and customers/markets. They are manufactured, stored and transported to customers in closed systems. Product is considered to pose low risk in all applications due to the non-hazardous nature of the product.

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of health and safety information. Additional information is available through the chemical’s applicable Material Safety Data Sheet, which should be consulted before use of the chemical. This product stewardship summary does not supplant or replace required regulatory and/or legal communication documents.