DOWFROST and DOWFROST RV Fluids and PROPYLENE GLYCOL
Product Stewardship Advisory: Use of Recycled Propylene Glycol in Winterizing Fluids

As part of The Dow Chemical Company’s commitment to Responsible Care® and Product Stewardship, it is Dow’s practice to provide information pertaining to the safe use of propylene glycol and products formulated with propylene glycol. Specifically, the subject of this advisory is the use of recycled or reclaimed propylene glycol as a Recreational Vehicle (RV) antifreeze or other winterizing fluid – materials that may be ingested and may contain hazardous ingredients such as residues from the recycling process. Dow promotes the concept of recycling used propylene glycol to save resources and reduce disposal concerns in appropriate applications; however, due to the potential for ingestion, Dow does not recommend the use of recycled propylene glycol in applications where there may be contact with food, beverages, pharmaceuticals, potable water, etc.

DOWFROST* and DOWFROST RV Fluids are inhibited propylene glycol formulated products, the ingredients of which comply with FDA and USDA requirements. DOWFROST RV Fluid is used primarily in vehicles, boats, etc. to winterize drinking water and sanitary systems during the cold season. Also, Dow PROPYLENE GLYCOL is commonly used to formulate similar winterizing fluid products. For the following reasons, Dow RV products are not formulated with recycled propylene glycol and it is recommended that customers using Dow PROPYLENE GLYCOL for similar products consider these issues when producing and labeling winterizing products.

1) The possible presence of contaminants in the recycled propylene glycol can result in product that does not comply with FDA and USDA requirements. Such reformulated fluids should not be used in applications where contact with food and potable water is possible such as RV antifreeze due to the possibility of ingestion.

2) Recycled propylene glycol obtained from such sources as aircraft de-icing fluids may contain ethylene glycol, corrosion inhibitors or other additives which may be hazardous.

3) The quality of recycled propylene glycol may be inconsistent and may contain hazardous degradation products such as aldehydes and organic acids which are difficult to remove via standard recycling processes.

4) Proper labeling is important for winterizing fluids because there is the possibility for contamination of potable water systems. Therefore, winterizing fluid labels should accurately reflect the potential hazards of the ingredients contained in the product.

Please contact your Dow representative or local distributor if you have questions about the proper use and application of DOWFROST and DOWFROST RV Fluids or PROPYLENE GLYCOL.

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