



Glycol Ethers for Agricultural Products

DOW glycol ethers offer a broad range of properties as inert ingredients in agricultural pesticides. High solvency, increased stabilization, and controlled evaporation are some of the benefits offered by DOW glycol ether products.

DOW glycol ethers help to emulsify or compatibilize non-water soluble active ingredients. Today many agricultural products are concentrates which are diluted with water prior to application on growing crops. Since the active ingredients are typically water insoluble, surfactants and co-solvents are needed to emulsify or solubilize these active ingredients. DOW glycol ethers work as co-solvents because of their surfactant-like nature; a hydrophilic head and hydrophobic tail give DOW glycol ethers the properties needed to help stabilize these agricultural pesticide formulations.

The table lists DOW glycol ethers that are exempt from tolerance requirements when used as inert ingredients in pesticide formulations.

Dow Glycol Ethers Acceptable as Inert Ingredients in Pesticide Formulations 40 CFR 180. 1001, (d) & (e)

Inert Ingredient	Uses
d) Pesticide formulations applied to growing crops only :	
DOWANOL™ PM	Solvent
DOWANOL™ DPM	Stabilizer
Butyl CELLOSOLVE™	Solvent, co-solvent
Butyl CARBITOL™	
Methyl CARBITOL™	Deactivator for formulations used before crop emerges from soil; stabilizer.
e) Pesticide formulations applied to animals:	
DOWANOL™ PM	Deactivator, emollient
DOWANOL™ DPM	Surfactants, related adjuvants of surfactants