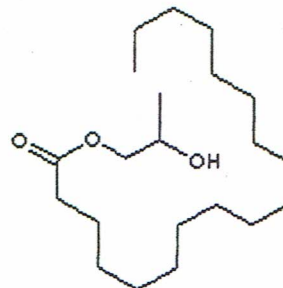


PG fatty esters

PROPYLENE GLYCOL MONOSTEARATE

PRODUCT IDENTIFICATION

CAS NO. 1323-39-3
EINECS NO. 215-354-3
FORMULA $C_{21}H_{42}O_3$
MOL WT. 342.56
H.S. CODE



TOXICITY

SYNONYMS 2-Hydroxypropyl stearate; Propylene Glycol Stearate
1,2-Propanediol monoctadecanoate; Propylene glycol octadecanoate; Monosteol;
Propylene glycol stearic acid ester;

DERIVATION

CLASSIFICATION

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE white powder
MELTING POINT 40 - 45 C
BOILING POINT
SPECIFIC GRAVITY
SOLUBILITY IN WATER

pH

VAPOR DENSITY

AUTOIGNITION

NFPA RATINGS

REFRACTIVE INDEX

FLASH POINT

STABILITY Stable under ordinary conditions

APPLICATIONS

Propylene Glycol is a colourless, viscous, colorless liquid. It is miscible with water alcohol, and many solvents. This versatile PO (propylene oxide) derivative has wide range of applications including industrial solvents, paint and coating solvents, polyester and alkyd resins, antifreeze coolants, heat transfer fluids, deicing fluids, plasticizers, detergents and surfactants, and bactericide. USP grade is used in foods, pharmaceutical, and personal care products. Propylene glycol monostearate can be used as a lipophiic emulsifier and emulsion stabilizer in food.