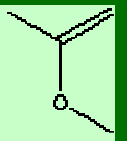
2-METHOXYPROPENE



PRODUCT IDENTIFICATION	
CAS NO.	116-11-0; 172702-76-0
EINECS NO.	204-125-3
FORMULA	$CH_2=C(CH_3)OCH_3$
MOL WT.	72.11
H.S. CODE	
TOXICITY	
SYNONYMS	2-Methoxyprop-1-ene; Isopropenyl methyl ether; Methyl isopropenyl ether;
DERIVATION	
CLASSIFICATION	

PHYSICAL AND CHEMICAL PROPERTIES	
PHYSICAL STATE	clear liquid
MELTING POINT	
BOILING POINT	35 - 36 C
SPECIFIC GRAVITY	0.753
SOLUBILITY IN WATER	
pH	
VAPOR DENSITY	
AUTOIGNITION	
NFPA RATINGS	Health: 1 Flammability: 4 Reactivity: 0
REFRACTIVE INDEX	
FLASH POINT	-29 C
STABILITY	Stable under ordinary conditions. But extremely flammable and light sensitive liquid. Stabilized with potassium carbonate (0.5%)

GENERAL DESCRIPTION & APPLICATIONS

Ethers are widely used as solvents for various organic reactions because they are relatively the least reactive among common organic compounds except alkanes and fluorocarbons. Ethers don't have hydrogen bonds resulting in lower boiling point than corresponding alkanes and have more hydrophobic than esters or amides. The common reaction of ethers is cleavage of the C–O bond by strong acids either in linear chain or cyclic structure. Ethers in which oxygen is bonded to primary and secondary alkyl groups can form peroxide compounds in the presence of gaseous oxygen due to two unpaired electrons in oxygen. Ethers can act as Lewis bases in chemical reactions. Reactions of ethers are cleavage of the C–O bond by strong acids, peroxide formation and epoxide reactions. Converted ethers from alcohols exhibit chemical stability and can be used to protect for hydroxyl groups (alcohols and phenols) from undergoing unwanted reactions such as oxidation, acylation, halogenation, dehydration, and other susceptible reactions. 2-Methoxypropene can be used as a protective for adajacent hydroxyls, 1,2-diols and amine hydroxyl groups in organic synthesis.

SALES SPECIFICATION	
APPEARANCE	clear liquid
ASSAY	99.0% min
WATER	0.2% max

TRANSPORTATION	
PACKING	125kgs in drum
HAZARD CLASS	3 (Packing Group: I)
UN NO.	1993

OTHER INFORMATION

Hazard Symbols: F+ XN, Risk Phrases: 12-19-22, Safety Phrases: 3-16-29-33-7/9