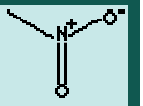
NITROMETHANE



PRODUCT IDENTIFICATION	
CAS NO.	75-52-5
EINECS NO.	200-876-6
FORMULA	CH_3NO_2
MOL WT.	61.04
H.S. CODE	2904.20
TOXICITY	Orl rat LD50: 1478 mg/kg
SYNONYMS	Nitrocarbol; NM; Nitrometan (Polish); NMT; nitrometano (Spanish); Nitrométhane (French);
DERIVATION	
CLASSIFICATION	

PHYSICAL AND CHEMICAL PROPERTIES	
PHYSICAL STATE	Colourless liquid
MELTING POINT	-29 C
BOILING POINT	100 - 103 C
SPECIFIC GRAVITY	1.138
SOLUBILITY IN WATER	Soluble
pH	6
VAPOR DENSITY	2.1
AUTOIGNITION	418 C
NFPA RATINGS	
REFRACTIVE INDEX	1.3819
FLASH POINT	35 C
STABILITY	Stable under ordinary conditions

APPLICATIONS

Nitromethane is used as a chemical intermediate in organic synthesis for explosives, medicine, pharmacy, pesticides, chemical fiber, painting and ore dressing. It's main application is as a reaction medium as well as an extraction solvent. Nitromethane is a suitable solvent in aromatic hydrocarbons separation from aliphatics as it is miscible with high proportions of aromatic hydrocarbons but is miscible with aliphatic hydrocarbons at low concentrations. Toluene can be separated by azeotropic distillation with nitromethane. It is used as a stabilizer of halogenated hydrocarbons as inhibits the decomposition. It is used as a component of fuels to increase gaseous products formed in the combustion so that more fuel can be burned.

SALES SPECIFICATION	
APPEARANCE	Colourless liquid
ASSAY	99.0% min
ACIDITY	0.1% max
COLOR, APHA	20 max
MOISTURE	0.5% max

TRANSPORTATION	
PACKING	225kgs in Drum
HAZARD CLASS	3
UN NO.	1261

OTHER INFORMATION

Hazard Symbols: XN, Risk Phrases: 10/22/5, Safety Phrases: 41