

D0680FF	Silver Line
Typical analysis	
Assay	98%
Packaging	
2.5l amber glass bottle	
25l metal drum	

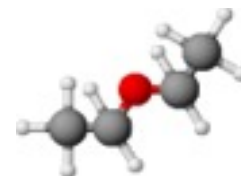
D0683HH	HPLC Line
Warranty certificate	
Assay	min 99.7%
Acidity (in CH ₃ COOH)	0.0005%
Peroxides (H ₂ O ₂)	0.006%
Non-volatile residue	0.0005%
Water (H ₂ O)	0.01%
UV Transmission	
Quartz cuvette: 1 cm - control standard: water	
25 - 45 - 75 - 92 - 98 (Transmission %)	
210 - 230 - 250 - 280 - 300 (Wavelength nm)	

Packaging
2.5 litre amber glass bottle

D0681FF	Gold Line
Typical analysis	
Assay	99%
Peroxide (H ₂ O ₂)	0.0002%
Residue on evaporation	0.05%
Packaging	
2.5l amber glass bottle	
25l metal drum	

D0682FF	Platinum Line
Warranty certificate	
Assay	min 99.5%
Acidity	0.002%
Aldehydes & ketones	0.002%
Ethanol	0.05%
Peroxide (H ₂ O ₂)	0.00001%
Residue on evaporation	0.02%
Water (H ₂ O) [Karl Fisher]	0.2%

Packaging
2.5l amber glass bottle
25l metal drum



Physical properties, composition and data

Chemical formula	CH ₃ CH ₂ OCH ₂ CH ₃
Chemical group	Alcohols
Synonym	Diethyl oxide; Ether; Ethyl ether; Ethyl oxide; Ethoxyethane; 1,1'-Oxybisethane; Sulphuric ether
Atomic weight	74.12
Weight per litre	0.71kg
Appearance	Colourless, volatile, mobile liquid
Odour	Sweetish, pungent odour
Miscibility	Miscible with concentrated HCl, lower aliphatic alcohols, benzene, chloroform, petroleum ether, other fat solvents & many oil
Melting point	- 116.3°C
Boiling point	34 -36°C
Flash point	- 40°C
Auto ignition point	180°C
Density (g/ml)	0.725
Incompatible substances	Anhydrous nitric acid
Hazardous material	Flammable and explosive

Laboratory preparation, applications and practices

Laboratory preparation	Dehydration of ethanol or by hydration of ethylene, both processes being carried out in the presence of sulphuric acid
Usage	Solvent for waxes, fats, oils, perfumes, alkaloids and gums

Storage and handling information

Storage/handling	Store in a cool, dark, fireproof place separated from oxidants and incompatible substances
Safety phrases	9-16-29-33
Risk phrases	12-19-22-66-67
Disposal methods	14
Caution	Narcotic depressant by inhalation and skin absorption

Transport regulations

Tariff code	2909.11.00
Hazardous class	3
Packing group	I
UN number	1155
ERG number	127
ECB number	200-467-2

