TERT-BUTYL METHYL ETHER AR

PRODUCT CODE	472355
SYNONYMS	Methyl tert-Butyl Ether
C.I. NO.	N/A
CASR NO.	1634-04-4
ATOMIC OR MOLECULAR FORMULA	$C_5H_{12}O$
ATOMIC OR MOLECULAR WEIGHT	88.15
PROPERTIES	Unstable in acid solution.
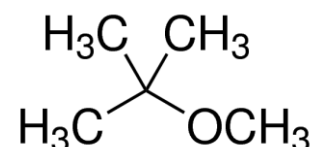
PARAMETER	LIMIT
Description	Clear & colourless liquid.
Solubility	Soluble in alcohol.
Minimum assay(By GC)	99.5%
Wt per ml at 20°C	0.739-0.740 g
Refractive index $(n)_D^{20}$	About 1.369

MAXIMUM LIMIT OF IMPURITIES	
Calcium (Ca)	0.00005%
Water (H_2O)	0.05%
Non volatile matter	0.001%
Free acid (CH_3COOH)	0.005%
Iron (Fe)	0.00001%
Lead (Pb)	0.00001%

Note(s): Assay (if applicable) method mentioned.

DANGER
HAZARD STATEMENTS: May cause respiratory irritation. Highly flammable liquid and vapour. Causes skin irritation. Causes eye irritation.
PRECAUTIONARY STATEMENTS :
Prevention: Use only non-sparking tools. Take precautionary measures against static discharge. Ground/bond container and receiving equipment. Wash thoroughly after handling. Wash hands thoroughly after handling. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use explosion-proof electrical/ ventilating/lighting/equipment. Wear protective gloves and eye/face protection.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. IF ON SKIN: Gently wash with plenty of soap and water. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing.

IMDG Code	:	**3 / II**
UN No.	:	2398
IATA	:	3

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

Hazard Pictogram(s) :

GHS02   GHS07

Replace Date-15-Jun.2020