



E Control	QC2\DATAD\D:\PS\20847XPS.xls
PRODUCT CODE	20847
PRODUCT NAME	TERT-BUTYL METHYL ETHER AR ≥ 99.5% (GC)
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	1634-04-4
ATOMIC OR MOLECULAR FORMULA	C ₅ H ₁₂ O
ATOMIC OR MOLECULAR WEIGHT	88.15
PROPERTIES	Unstable in acid solution.
$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3\text{O}-\text{C}-\text{CH}_3 \\ \\ \text{CH}_3 \end{array}$	
PARAMETER	LIMIT
Description	Clear & colourless liquid.
Minimum assay(By GC)	99.5%
Wt per ml at 20 °C	About 0.740 g
Refractive index (n) _D ²⁰	About 1.369
Boiling point	54 - 56 °C
MAXIMUM LIMIT OF IMPURITIES	
Water	0.05%
Residue on evaporation	0.001%
Free acid (CH ₃ COOH)	0.005%
Peroxide (as H ₂ O ₂)	0.0005%
Aluminium (Al)	0.00005%
Barium (Ba)	0.00001%
Bismuth (Bi)	0.00001%
Calcium (Ca)	0.00005%
Cadmium (Cd)	0.000005%
Cobalt (Co)	0.000002%
Chromium (Cr)	0.000002%
Copper (Cu)	0.000002%
Iron (Fe)	0.00001%
Lithium (Li)	0.00001%
Magnesium (Mg)	0.00001%
Manganese (Mn)	0.000002%
Molybdenum (Mo)	0.00001%
Sodium (Na)	0.00005%
Nickel (Ni)	0.000002%
Lead (Pb)	0.00001%
Strontium (Sr)	0.00001%
Zinc (Zn)	0.00001%
Note(s) : Assay (if applicable) method mentioned.	
HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Causes skin irritation. Causes eye irritation.	
IMDG Code : 3/II UN No. : 2398 IATA : 3	

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.

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) :



Skin irritation

Flammable liquids

Prepared By : DINESH	Checked By: RAJU VYAS	Approved By: S.S.TOLIA	Issue Date : 01/07/2002
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