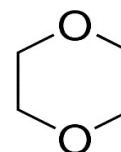# Rehsiff Scientific®

Manufacture & Importer of
Laboratory Fine Chemicals, Diagnostic Kit & Lab wares

1,4-DIOXANE PURE
(STABILISED WITH 25 PPM BHT)

PRODUCT CODE	R08218	
SYNONYMS	N/A	
C.I. NO.	N/A	
CASR NO.	123-91-1	
ATOMIC OR MOLECULARFORMULA	$C_4H_8O_2$	
ATOMIC OR MOLECULARWEIGHT	88.11	
PROPERTIES	--	

PARAMETER	LIMIT	
Description	A clear liquid, not more than 10 Hazen units in colour with a characteristicodour. Dioxan readily takes up atmospheric oxygen on storage with theformation of explosive peroxides.	
Solubility	Miscible with water and with diethyl ether forming clear and colourless solution.	
Minimum assay(By GC)	99.0%	
Wt.per ml at 20°C	1.030 - 1.035 g	
Freezing Point	10 - 11.5°C	

MAXIMUM LIMIT OF IMPURITIES

Water	0.5%	
Non volatile matter	0.02%	
Peroxide (as H_2O_2)	0.005%	

Caution : Peroxide content is reduced to lowest practical limit.
Take care during distillation.

Note(s) : 1] Assay (if applicable) method mentioned.

DANGER
HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. Harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation. Suspected of causing cancer.

PRECAUTIONARY STATEMENTS :
Prevention : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use only non-sparking tools. Wear protective gloves and eye/face protection. Keep container tightly closed. Keep away from heat/sparks/open flame - No smoking. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment.

Response : If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. Wear eye/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Specific treatment: refer to Label or MSDS. If exposed or concerned: Get medical attention advice.

Disposal : Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. After testing for peroxide the product should be given to specialized disposal company.

IMDG Code : 3/II
UN No. 1165
IATA 3