

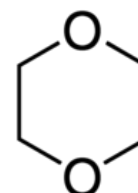


Product Specification

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1,4 - DIOXANE GC HS GRADE

PRODUCT CODE	729496
SYNONYMS	--
C.I. NO.	--
CASR NO.	123-91-1
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₈ O ₂
ATOMIC OR MOLECULAR WEIGHT	88.11
PROPERTIES	--



PARAMETER LIMIT

Description	A clear liquid, not more than 10 Hazen units in colour with a characteristic odour. Dioxan readily takes up atmospheric oxygen on storage with the formation of explosive peroxides.
Solubility	Miscible with water and with diethyl ether to clear & colourless solution.
Minimum assay (By GC)	99.9%
Wt. per ml at 20°C	1.032 -1.034g
Freezing point	Not below 11.5°C
Boiling range	100.0-102.0°C
Refractive index (n) ²⁰ _D	1.420 – 1.424

MAXIMUM LIMIT OF IMPURITIES

Water (KF)	0.05%
Acidity (CH ₃ COOH)	0.001%
Non volatile matter	0.0005%
Peroxide (H ₂ O ₂)	0.005%

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

DANGER

HAZARD STATEMENTS : May cause respiratory irritation. May cause drowsiness or dizziness. Highly flammable liquid and vapour. May be harmful if swallowed. May be fatal if swallowed and enters airways. Causes mild skin irritation. Causes serious eye irritation. Harmful to aquatic life.

PRECAUTIONARY STATEMENTS : Prevention : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/attention.

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. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

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



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Hazard Pictogram(s) :



GHS02



GHS07



GHS08