

NANOSOLV IPA



Safety Data Sheet
& Rules and Regulation

Revision Date:
Supersedes:

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	NANOSOLV IPA	Distributor:	Dr TRC Lab Private Limited
Synonyms:	2-Propanol; sec-Propyl alcohol; Isopropanol; sec-Propanol.	Address:	H-269,DSIIDC Industrial Area, North West Delhi,Delhi-110039
INCI Name:	Isopropyl Alcohol	Website:	www.trckem.in
CAS Number:	67-63-0		
Formula:	C ₃ H ₈ O or (CH ₃) ₂ CHOH		
Product Form:	Liquid		
Product Use:	Solvent; Disinfectant; Cleaning		

2 HAZARDS IDENTIFICATION

GHS Classification:	Flammable Liquids (Category 2), Eye Irritation (Category 2) Specific Target Organ Toxicity - Single Exposure (Category 3)
GHS Labelling:	Not applicable
GHS Hazard Pictogram:	 
GHS Hazard Statements:	H225: Highly flammable liquid,H319: Causes serious eye H336: May cause drowsiness or dizziness
GHS Precautionary Statement:	P210: Keep away from hot surfaces. P261: Avoid breathing dust/fume/gas/mist/vapors/spray
Potential Health Hazards:	May cause respiratory tract irritation, Causes serious eye irritation.
NFPA Rating(704):	Health: 2 , Flammability: 3 ,

3 COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Weight %	Molecular Weight
Isopropyl Alcohol	67-63-0	100%	60.10 g/mol

4 FIRST AID MEASURES

Eyes:	Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing; seek medical attention if irritation persists
Inhalation:	Remove person to fresh air and keep comfortable for breathing; seek medical attention if symptoms persist.
Skin:	Wash with plenty of soap and water; remove contaminated clothing; seek medical attention if irritation occurs
Ingestion:	Rinse mouth; do NOT induce vomiting; seek medical attention immediately

5 FIRE-FIGHTING MEASURES



SDS (Safety Data Sheet)

Suitable(and Unstable Extinguishing Media:
Special protective equipment & Precaution for Fire-fighters:
Special Hazards arising from the Chemicals:

Suitable: Carbon dioxide (CO₂), dry chemical powder, alcohol-resistant foam , Unsuitable: Water jet
Wear self-contained breathing apparatus and full protective clothing, 12 °C (54 °F)
Vapors may form explosive mixtures with air; containers may explode when heated.

6 ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment & emergency procedure:

Evacuate area; ensure adequate ventilation; eliminate all ignition sources; wear appropriate personal protective equipment

Environment precautions:

Prevent entry into sewers, water courses, or confined areas

Methods and material for containment and cleaning up:

Contain spill; absorb with inert material (e.g., sand, earth); transfer to a suitable container for disposal

7 HANDLING & STORAGE

Precautions for safe handling:

Keep away from heat, sparks, open flames, and hot surfaces; use explosion-proof equipment; avoid breathing vapors

Condition for safe storage, incl. any incompatibilities:

Store in a well-ventilated place; keep container tightly closed; store away from oxidizing agents

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limit	Basis	Entity
NANOSOLV IPA	400 ppm TWA; 500 ppm STEL	OSHA PEL; ACGIH TLV	OSHA, ACGIH

Personal Protection

Eyes: Safety goggles or face shield.

Inhalation: Use in well-ventilated areas; if ventilation is inadequate, wear respiratory protection

Skin: Wear protective gloves and clothing to prevent skin contact.

Ingestion: Do not eat, drink, or smoke when using this product; wash hands thoroughly after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Clear, colorless liquid, Liquid.	Vapour Pressure:	4.4 kPa at 20 °C
Odour:	Alcohol-like	Density:	0.785 g/cm ³ at 20 °C
Color:	Colorless	Evaporation Rate:	1.7 (n-butyl acetate = 1)
Molecular Weight:	60.1 g/mol	Flammability:	Highly flammable
pH(1% sol. In water):	Neutral	Upper /lower Explosive limit:	Upper: 12.7%; Lower: 2.0%
	(approximately 7)	Flash Point:	12 °C (53.6 °F)
Boiling Point:	82.6 °C (180.7 °F)	Specific Gravity:	0.785 at 20 °C
Melting Point:	-89 °C (-128 °F)	Solubility:	Miscible with water



SDS (Safety Data Sheet)

10 STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	Will not occur.
Condition To Avoid:	Heat, sparks, open flames, and other ignition sources.
Incompatible Material:	Strong oxidizing agents, acids, aldehydes, halogens.
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD50 (Rat): 5,045 mg/kg, Dermal LD50 (Rabbit): 12,800 mg/kg
Skin:	May cause irritation; prolonged exposure can lead to dermatitis.
Eyes:	Causes serious eye irritation.
Respiratory:	May cause respiratory tract irritation, dizziness, drowsiness.
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting, central nervous system depression.
Carcinogenicity:	N/A
Teratogenicity:	Not classified as teratogenic.
Germ Cell Mutagenicity:	Not classified as mutagenic.
Embryotoxicity:	N/A
Specific Target Organ Toxicity:	May cause drowsiness or dizziness
Reproductive Toxicity:	Not classified as reproductive toxicant.
Respiratory/Skin Sensitization:	Not classified as a sensitizer.

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	LC50 (Pimephales promelas): 9,640 mg/L (96 hours)
Aquatic Invertebrate:	EC50: 5,102 mg/L (24 hours)
Terrestrial:	N/A
Persistence and Degradability:	Readily biodegradable.
Bioaccumulative Potential:	Low potential for bioaccumulation.
Mobility in Soil:	Expected to have high mobility in soil.
PBT and vPvB Assessment:	Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB).
Other Adverse Effects:	None known

13 DISPOSAL CONSIDERATIONS

Water Residue:	Dispose of in accordance with local, regional, and national regulations; do not discharge into drains or the environment.
Product Containers:	Empty containers may contain residue; do not cut, weld, or reuse unless thoroughly cleaned.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods.

14 TRANSPORT INFORMATION

DOP(Dept. Of Transport, India):	N/A
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TDG(Transport Of Dangerous Goods, India):	N/A
IMDG(International Maritime Dangerous Goods:	N/A
IATA(International Air Transport Association):	N/A
ICAO(International Civil Aviation Organization):	N/A

15 REGULATORY INFORMATION

No regulatory Information Available

16 OTHER INFORMATION

Revision Date: March 2024

Compliance: This document has been prepared in accordance with the SDS requirements

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated.

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