

MATERIAL SAFETY DATASHEET

CORORID IPA ADVANCE - 75

1. Identification of the Product and Company

Product Name: Cororid IPA Advance - 75 (Isopropyl Alcohol 75% v/v, Hydrogen Peroxide 0.125% v/v, Glycerol 1.45% v/v as Moisturizer)

Company Name & Contact Details Deepak Fertilisers and Petrochemicals Corporation Ltd.

Sai Hira, Survey No. 93, Mundhwa, Pune - 411 036.
Maharashtra. India.

Telephone: +91-20-6645 8000

Email: customercare@dfpcl.com

Website: www.dfpcl.com

2. Hazards Identification

Hazard Classification HAZARDOUS SUBSTANCE – DANGEROUS GOODS

Risk phrase(s) R11 – Highly flammable
R20/22 – Harmful by inhalation and if swallowed;
R66 – Repeated exposure may cause skin dryness and cracking

Safety phrase(s) S7/9 – Keep container tightly closed & in a well ventilated place;
S16 – Keep away from sources of ignition – No smoking; S23 – Do not breathe vapour; S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical attention; S29 – Do not empty into drains; S33 – Take precautionary measures against static discharges; S45 – In case of accident or if you feel unwell seek medical advice immediately (show the label wherever possible).
Avoid contact with mouth. If skin irritation occurs, discontinue use immediately.

3. Composition/Information on Ingredients

Chemical Entity	CAS NO.	Proportion
Iso Propyl Alcohol	67-63-0	75% v/v
Hydrogen Peroxide	7722-84	0.125% v/v
Glycerol	56-81-5	1.45% v/v

MATERIAL SAFETY DATASHEET

CORORID IPA ADVANCE - 75

4. First Aid Measures

Inhalation:	Remove patient to fresh air and seek medical advice if necessary. If breathing should stop, apply artificial respiration immediately.
Ingestion:	Give plenty of water to drink. Seek medical attention. Do not attempt to induce vomiting or give anything by mouth to an unconscious person.
Skin:	Wash with water. Remove contaminated clothing. If irritation occurs or contact has been prolonged, seek medical advice. Launder clothing before re-use.
Eye:	Flush the eyes with gently running water for at least 15 minutes (hold eyes open). Seek medical attention promptly if irritation persists.
Advice to Doctor:	Treat symptomatically. If respiration is depressed, assisted respiration may be necessary.

5. Fire Fighting Measures

Specific Hazards	Highly flammable liquid. May form flammable mixtures with air. Burns with a colorless flame. Vapor is heavier than air and may travel along the ground. Distant ignition is possible. Run off to sewers and drains may cause explosions. Avoid all ignition sources.
Extinguishing Media	Water fog; alcohol stable foam (large fires); carbon dioxide, dry chemical powder (small fires).
Hazards from Combustion products	Burning can produce carbon monoxide and/or carbon dioxide
Precautions & Equipment for Fire Fighters	On burning may emit toxic fumes. Remove containers from path of fire. Heating can cause expansion and rupture of containers. Keep containers cool with water spray. Fire fighters should wear self-contained breathing apparatus with full face mask if exposure to vapour or combustion products is likely. Vapour is heavier than air and may travel along the ground. Distant ignition is possible. Spills and leaks may be diluted and washed away with large volumes of water.

6. Accidental Release Measure

Spills and Disposal	Eliminate all possible sources of ignition – no smoking. Take precautionary measures against static discharges. Ventilate area well. Small spill: Dilute and flush to waste with water. Large spills: wear protective clothing to prevent skin & eye contact and inhalation of vapours. Contain & absorb using inert material such as sand, earth, vermiculite where appropriate. Collect and seal in properly labelled containers for disposal. Wash area down with excess water. At very low concentration, this product is biodegradable.
----------------------------	--

7. Handling and Storage

Safe Handling Practices	UN number 1219. Classified 3 PGII (Highly Flammable Liquid). Dangerous substance for the purpose of transport. Refer to appropriate State Regulations for storage and transport requirements.
Storage	Should not be stored or transported with flammable gases, explosives, spontaneously combustible substances, oxidizing agents, halogens, aldehydes or foodstuffs. Store away from sources of heat or ignition. Store below 25°C. Store in a well-ventilated area and keep containers closed, which are not in use, to avoid evaporation.

MATERIAL SAFETY DATASHEET CORORID IPA ADVANCE - 75

8. Exposure Controls; Personal Protection

Exposure Limits:	There are no known exposure limits for this product but the following Threshold Limit Values (TLV) for Isopropyl Alcohol 100% should be used: Isopropyl Alcohol TLV 400ppm (983mg/m ³) TWA, OSHA & ACGIH; 500ppm STEL, OSHA & ACGIH TWA Time-weighted average airborne concentration per 8 hour working day per 5 dayworking week over an entire working life. STEL Short term exposure limit - average airborne concentration per 15-minute period.
Engineering Controls	Local and or mechanical (general) exhaust, fitted with flame and explosion proof electrical fittings.
Personal Protection	Avoid eye contact. If spillage or splashing is likely to occur during handling, wear splash resistant goggles or face shield .Use protective gloves. Wash hands thoroughly after use. Do not smoke or eat whilst handling. Respiratory protection is not necessary under normal circumstances. Maintain concentration below recommended exposure limit and use adequate ventilation at all times. In high vapour concentration such (empty vessels, confined space), use air supplied hood, or if likely to exceed 500ppm, wear approved organic vapour respirator.

9. Physical and Chemical Properties

Appearance and Odour:	A clear, solution that has a spirituous odour.		
Freezing/Melting Point:	-89.5°C (Isopropyl Alcohol 100%)		
Vapour Pressure:	33mmHg at 20°C (Isopropyl Alcohol 100%)	Solubility:	Miscible
Vapour Density:	2.1 (Isopropyl Alcohol 100%)	Specific Gravity or Density:	0.855- 0.899 g/mL
Boiling Point:	82.4°C (Isopropyl Alcohol 100%)	Refractive Index:	1.360 –1.380
Flash point:	12°C (Isopropyl Alcohol 100%) tag closed cup		

10. Chemical Stability and Reactivity Information

Conditions Contributing to Instability	Product is stable.
Incompatible Materials:	Will react with strong oxidizing agents.
Conditions to Avoid:	Heat, sparks, flame and build-up of static electricity.
Hazardous Decomposition products:	Burning can produce carbon monoxide and/or carbon dioxide.

11. Toxicological Information

Inhalation:	Irritating to respiratory tract and mucous membranes. Inhalation of the vapour may cause coughing and chest discomfort. High concentrations of vapour may cause headache and drowsiness or dizziness.
Ingestion:	Ingestion can lead to drowsiness, unconsciousness, abdominal discomfort, nausea, vomiting

MATERIAL SAFETY DATASHEET CORORID IPA ADVANCE - 75

Skin:	Skin sensitivity to chlorhexidine has occasionally been reported. Repeated or prolonged skin contact may cause irritation to people with sensitiveskin.
Eye:	Vapour may irritate the eyes (at concentrations above 400ppm for 100% Isopropyl Alcohol), causing stinging and discomfort or pain. Liquid and mists may cause redness or pain.
Acute toxicity (for 100% Isopropyl Alcohol)	LD50/oral/rat: 4396 mg/kg; LD50/dermal/rat: 12870 mg/kg; LC50/inhalation/rat: 72.6mg/l/4h
Ecotoxicity: (for 100%Isopropyl Alcohol)	Toxicity to fish (acute): LC50/fathead minnow: 1113 mg/l/96 h

12. Ecological Information

Mobility in soil:	No dataavailable.
Persistence and Degradability:	Degree of elimination: >90%; Evaluation: readily biodegradable (100% IsopropylAlcohol)

13. Disposal Considerations

Disposal Methods & Containers:	Waste material may be incinerated under controlled conditions, where permitted. Refer to local Waste Management Authority Regulations for other approved methods. Empty containers should be decontaminated by rinsing with water prior todisposal. Product must be contained and not disposed of in sewerage systems, drains or waterways. Advise flammablenature.
---	--

14. Regulatory Information

Poisons Schedule:	Schedule 5
Classification:	Hazardous according to criteria ofNOHSC. Dangerous Good according to criteria of the Australian Dangerous Goods Code.

15. Transportation Information

Transport document description:	UN1219 Isopropanol, 3, II
UN-No.(DOT):	1219
DOT NA no.:	UN1219
DOT Proper Shipping Name:	Isopropanol
Department of Transportation (DOT) Hazard Classes:	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT):	3 - Flammable liquid





DEEPAK FERTILISERS
AND PETROCHEMICALS
CORPORATION LIMITED

MATERIAL SAFETY DATASHEET CORORID IPA ADVANCE - 75

ADR

Transport document description	:UN 1219 Isopropanol (isopropyl alcohol), 3, II, (D/E)
Packing group (ADR)	:II
Class (ADR)	:3 - Flammable liquids
Hazard identification number (Kemler No.)	:33
Classification code (ADR)	:F1
Tunnel restriction code	:D/E

Transport by sea

UN-No. (IMDG)	:1219
Class (IMDG)	:3 - Flammable liquids
EmS-No. (1)	:F-E
EmS-No. (2):S-D	

Air transport

UN-No.(IATA)	:1219
Class (IATA)	:3 - Flammable Liquids
Packing group (IATA)	:II - Medium Danger

16. Other Information

INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Indication of Changes	: None.
Other Information	: None.

Disclaimer

Deepak Fertilisers and Petrochemicals Corporation Ltd. (DFPCL) believes that the information on this SDS was obtained from reliable sources. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, DFPCL does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable. Information is correct to the best of our knowledge at the date of the SDS publication.

END OF MSDS