DEEPAK FERTILISERS AND PETROCHEMICALS CORPORATION LIMITED

MATERIAL SAFETY DATA SHEET

Cororid Medpink – Handrub

Version 00 | Revision Date: 01/09/2021.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Cororid Medpink - Handrub

Company Name & Contact Details

Deepak Fertilisers and Petrochemicals Corporation Ltd.

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Recommended use of the chemical and restrictions on use

Recommended use : Hand & Skin Disinfectant.
Human hygiene biocidal products.

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids	:	Category 3
Serious eye damage/eye irritation	:	Category 2A
Specific target organ toxicity - single exposure	:	Category 3

GHS label elements

Signal word : Hazardous substance and dangerous good.

Hazard statements :

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary statements : Keep out of reach of children.

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Components	Concentration %
Chlorhexidine Gluconate Solution IP (Equivalent to Chlorhexidine Gluconate 0.5 % w/v)	2.5 v/v
Isopropanol IP	70.0 v/v

4. FIRST AID MEASURES

Inhalation	If irritation occurs, flush skin with plenty of water. Call a physician if irritation persists. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	Move to fresh air. Call a physician if symptoms develop or persist.
Eye contact	Rinse mouth. Do not induce vomiting without advice from poison control canter. Get medical attention if symptoms occur.
Ingestion	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.
Most important	Symptoms/effects, acute and delayed.
Indication of immediate	Provide general supportive measures and treat symptomatically.
General information	Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	:	Alcohol resistant foam. Water fog. Carbon dioxide (CO2). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media	:	None
Specific hazards during fire-fighting		Do not use water jet as an extinguisher, as this will spread the fire.
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	Standard procedure for chemical fires.
Special protective equipment for fire fighting.	:	Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective equipment and clothing during clean-up. For personal protection, see Section 8 of the SDS. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Local authorities should be advised if significant spillages cannot be contained.

Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

7. HANDLING AND STORAGE

For external use only. Keep out of the reach of children. Do not get this material in contact with eyes. Wear gloves and safety glasses or goggles if handling large quantities. Do not handle or store near an open flame, heat or other sources of ignition. When using do not smoke.

Precautions for safe handling:	Keep away from heat, sparks and open flame. Eliminate sources of ignition. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

Conditions for safe storage, including any incompatibilities

8. Exposure Controls/Personal Protection

Exposure controls

Engineering controls : Use explosion-proof ventilation equipment. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

Personal Protection:
Eye Protection: Avoid eye contact with vapors, mists, or spray.
Hand Protection: Not applicable.
Skin Protection: No data available.
Respiratory Protection: Avoid breathing of vapors, mists or spray.
Ingestion (Prevention): Not applicable.
Recommended Ventilation: Use in a well-ventilated area.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid (Clear Solution)
Colour	: Light Pink
Odour	: Button candy (pleasant)
pH	: 6.5 -7.5
Density	: 0.850 – 0.950 (gm/ml)
Refractive Index	: 1.360- 1.370
Flash point	: 22 °C
Lower explosion limit / Lower flammability limit	: Lower flammability limit 3.5 %
Vapour pressure	: 5.85 (20 °C)
Density	: 0.87 g/cm3 (20 °C)
Solubility(ies) Water solubility	 : miscible
Auto-ignition temperature	: Not available

10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: The product is chemically stable.
Possibility of hazardous reactions	: None reasonably foreseeable.
Conditions to avoid	: Heat Strong sunlight for prolonged periods.
Incompatible materials	: None.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	: Oral (Rat): 13.300 mg/kg
Acute inhalation toxicity	: Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	: Dermal (Rabbit): > 8.500 mg/kg

Skin corrosion/irritation
Product:

Result: No skin irritation

SWALLOWED	:	The liquid is highly discomforting and harmful if swallowed in quantity and may cause dizziness, disorientation, mental confusion, slurred speech. Ingestion may result in nausea, abdominal irritation, pain and vomiting. Ingestion may result in intoxication, drunkenness
EYE	:	The liquid may produce eye discomfort causing transient smarting, blinking. The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.
SKIN	:	The material may be discomforting to the skin and may be capable of causing skin reactions which may lead to dermatitis. Sensitisation may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities. The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling the epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis. Not considered to cause discomfort through normal use.
INHALED	:	The vapour is discomforting to the upper respiratory tract. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high concentrations of vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression - characterised by headache and dizziness, increased reaction time, fatigue and loss of co-ordination with dizziness, disorientation, mental confusion, slurred speech.
CHRONIC HEALTH EFFECTS	:	The principal routes of exposure are by skin contact with the material. Prolonged or continuous skin contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following. Chronic ingestion of Chlorhexidine Gluconate may result in liver or kidney damage
TOXICITY AND IRRITATION	:	No Data Available

Carcinogenicity
No data available

Reproductive toxicity
No data available

STOT - single exposure
No data available

STOT - repeated exposure
No data available

Repeated dose toxicity
No data available

Aspiration toxicity
No data available

Experience with human exposure

Toxicology, Metabolism, Distribution
No data available

Neurological effects
No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	Dispose of as hazardous waste in compliance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
Contaminated packaging	:	Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulation

14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

This material is regulated for transport under DOT, ADR, IMDG, and IATA

regulations. UN number: UN 1219
UN proper shipping name: Isopropanol
Transport hazard class (es): 3
Packing group: II

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Isopropanol IP
EU EINECS/ELINCS List : 67-63-0

Chlorhexidine Gluconate Solution IP
EU EINECS/ELINCS List : 18472-51-0

Australian Inventory Status:
This product is regulated by the Therapeutics Goods Administration and is exempt from compliance with the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.
Poison Schedule: This product has not been assessed for poisons scheduling as the product is intended for industrial and professional use only.

16. OTHER INFORMATION

R11 – Highly flammable
R22 – Harmful if swallowed
Data Sources : Publicly available toxicity information.

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END OF MSDS