

MATERIAL SAFETY DATA SHEET

Cororid Medblue - Handrub

Version
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Revision Date:
01/09/2021

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Cororid Medblue - Handrub

Company Name & Contact Details : **Deepak Fertilisers and Petrochemicals Corporation Ltd.**
Sai Hira, Survey No. 93, Mundhwa, Pune 411036.
Maharashtra, INDIA.

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Email: customercare@dfpcl.com
Website: www.dfpcl.com

Recommended use of the chemical and restrictions on use

Recommended use : Hand 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 : Warning

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 %
2-Propanol IP	45.0 gm
1-Propanol IP	30.0 gm
Ethyl-hexadecyl-dimethyl ammonium- ethyl sulphate (Mecetronium ethyl sulphate)	0.2 gm

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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 center. 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. FIREFIGHTING MEASURES

Suitable extinguishing media	: Alcohol resistant foam. Water fog. Carbon dioxide (CO ₂). 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
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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.
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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.

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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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:Liquid (Clear Solution)
Colour	:light blue
Odour	:Watery fresh (pleasant)
pH	:5.5 – 6.5
Density	:0.80 -0.90 g/cm ³ (20 °C)
Refractive Index	:1.370-1.380
Flash point	: 23 °C Method: DIN 51755 Part 1
Lower explosion limit / Lower flammability limit	: Lower flammability limit 70 g/m ³ (20 °C) Method: DIN 51649
Vapour pressure	: 6 kPa (50 °C)
Density	: 0.85 g/cm ³ (20 °C)
Solubility(ies) Water solubility	: completely miscible
Auto-ignition temperature	: 430 °C

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.

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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

Components:

Propan-2-ol

Species: Rabbit
Result: No skin irritation

Propan-1-ol

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
Species: Rabbit
Method: OECD Test Guideline 404
Result: Causes burns.

Serious eye damage/eye irritation

Product:

Species: Rabbit
Method: OECD Test Guideline
Result: Eye irritation
GLP: yes

Components:

Propan-2-ol

Species: Rabbit
Result: Eye irritation

Propan-1-ol

Species: Rabbit
Method: OECD Test Guideline
Result: Irreversible effects on the eye

Mecetronium ethyl sulphate

Species: Rabbit
Method: OECD Test Guideline 405
Result: Risk of serious damage to eyes.

Respiratory or skin sensitisation

Product:

Result: Does not cause skin sensitisation.

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Components:

Propan-2-ol

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

Propan-1-ol

Test Type: Maximisation Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

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

12. Components:

Mecetronium ethyl sulphate

Ingestion : Symptoms: Gastrointestinal discomfort, Vomiting

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

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14. TRANSPORT INFORMATION

DOT

UN-No UN1987
 Proper Shipping Name Alcohols, N.O.S. (2-Propanol, 1-Propanol)
 Hazard Class 3
 Packing Group II

TDG

UN-No UN1987
 Proper Shipping Name Alcohols, N.O.S. (2-Propanol, 1-Propanol)
 Hazard Class 3
 Packing Group II

IATA

UN-No UN1987
 Proper Shipping Name Alcohols, N.O.S. (2-Propanol, 1-Propanol)
 Hazard Class 3
 Packing Group II

IMDG/IMO

UN-No UN1987
 Proper Shipping Name Alcohols, N.O.S. (2-Propanol, 1-Propanol)
 Hazard Class 3
 Packing Group II

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
2-Propanol	X	X	-	67-63-0	-		X	X	X	X	X
1-Propanol	X	X	-	71-23-8	-		X	X	X	X	X
Ethyl-hexadecyl-dimethyl ammonium-ethyl sulphate (Mecetronium ethyl sulphate)	X	X	-	3006-10-8	-		X	X	X	X	X

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

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P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)

Not applicable

SARA 313

Not applicable

SARA 311/312 Hazard Categories

See section 2 for more information

CWA (Clean Water Act)

Not applicable

Clean Air Act

Not applicable

OSHA Occupational Safety and Health Administration

Not applicable

CERCLA

Not applicable

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade Serious risk, Grade 3

16. OTHER INFORMATION

Eye Dam. Serious eye damage

Flam. Liq. Flammable liquids

Highly flammable liquid and vapour.

Causes serious eye damage.

May cause drowsiness or dizziness.

Specific target organ toxicity - single exposure

Highly flammable

Highly flammable.

Risk of serious damage to eyes.

Vapours may cause drowsiness and dizziness.

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END OF MSDS