

MATERIAL SAFETY DATA SHEET

Columbus DFC

Detergent disinfectant floor cleaner

Act5GNR529/240070/040/631

COMPANY DETAILS

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1. PRODUCT NAME:

Trade Name: Columbus DFC
Product Code: CHWIPDFC
Synonyms: Disinfectant detergent

2. COMPOSITION:

Hazardous components in concentrate form:
Didecyldimethylammonium Chloride CAS# 7173-51-5

R Phrases: 36

3. HAZARDS IDENTIFICATION:

Main hazard: Could irritate eyes.
Flammability: Not flammable
Reproduction hazard: Nil

Health effects:	Eyes:	Irritant
	Skin:	Not irritant
	Ingestion:	Nausea
	Inhalation:	N/A
Carcinogenicity:	Nil	
Mutagenicity:	Nil	
Neurotoxicity:	Nil	

4. FIRST AID MEASURES:

Ingestion:	Do not induce vomiting. Drink large quantities of water.
Note to the physician:	Probable mucosal damage from oral exposure of large quantity of ingestion of undiluted Columbus DFC may contraindicate the use of gastric pump.
Eyes:	Immediately flush eyes with water and continue washing for at least 2 minutes. Seek medical attention.
Skin:	Wash with plenty of water if irritation persists. Seek medical attention.
Inhalation:	Normally none required, however if needed the remove to fresh air.

5. FIRE FIGHTING MEASURES:

Flash Point (Test Method):	None (Tag Closed Cup ASTM D 56)
Special Fire Fighting Procedures:	Self-Contained Breathing Apparatus (SCBA) and protective clothing should be worn when fighting chemical fires.
Unusual Fire and Explosion Hazards:	None known
Extinguishing Media:	Carbon dioxide, foam, dry chemical.

6. ACCIDENTAL RELEASE MEASURES:

Put on protective clothing:	Goggles and Gloves.
Steps to be taken if material is released or spilled:	Wear suitable protective equipment, including gloves.
For small spills:	5 liters or less, gather up a bucket of water and a sponge or mop. Mop or sponge the water into the spill until thoroughly combined. Wipe or mop up resulting spill area a final wipe or mop with fresh water. Allow spill area to dry.
For large spills:	More than 5 liters, remove people from immediate spill area as it will be very slippery, and isolate until cleaned up. Contain spill with absorbent material. With a sponge type mop pick up as much of the spillage as possible. Wash the area down with plenty of water to drain or sewer using a hose pipe. Then mop the spill area with fresh water. Let spill area dry before allowing people traffic to ensure no one can slip on the floor.
Waste disposal method:	Disposal of DFC may be accomplished by pouring solution down the drain in accordance with state and local regulations. Flush with a large quantity of water. Rinse thoroughly with water.
Precautions to be taken in handling and storing:	DFC should be stored in its original sealed container at room temperature (15°C to 30°C).
Precautionary labeling:	Avoid eye contact with the undiluted product.

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7. HANDLING AND STORAGE:

Control Measures in a Production Environment

Eye Protection:	Safety glasses for handling of solutions greater than 3% DFC. An eyewash should be available for emergency situations.
Ventilation:	None required, however ensure that there is plenty of fresh air coming into the production area.
Skin Protection:	Gloves should be worn when working with the DFC concentrations. Rubber boots or industrial shoes may be needed to contain large spillages.
Respiratory Protection:	None required
Control Measures by end user:	Whilst handling concentrate wear goggles and gloves.
Suitable material:	Plastic containers and caps.

Do Not Re-Use Containers. Do Not Store in Direct Sunlight. Do Not Mix With Other Substances.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Route of Entry: Skin and eyes

Signs and Symptoms Associated with Overexposure (one-time or repeated):

Ingestion for solution containing DFC:	May cause irritation and possibly a stinging feeling in the mouth, throat, stomach and esophagus. May produce discomfort in the mouth, throat, chest and abdomen, nausea, vomiting, diarrhea, thirst and weakness.
Eyes:	Avoid eye contact with solution. Solution contact with eyes needs plenty of water flushing and medical attention.
Skin:	Skin irritant, avoid contact and rinse well with water. Avoid contact on existing dermatitis. If irritation persists seek medical attention.
Inhalation:	None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, blue liquid.
Odor:	Scented
pH:	6.0 - 7.0
Flammability:	Nil
Auto Flammability:	Nil
Explosive Properties:	Nil
Oxidizing Properties:	Nil
Vapor pressure:	As for water.
Specific Gravity:	1.0 to 1.1
Solubility:	Water: Completely
Solubility:	Solvent: Partial

10. STABILITY AND REACTIVE

Chemical Stability:	Stable under normal conditions.
Incompatible Materials:	Acids.
Hazardous decomposition products:	Nil.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not toxic.
Skin and eye contact:	Eye Irritant (R36)
Chronic Toxicity:	Nil
Carcinogenicity:	Nil
Mutagenicity:	Nil
Reproduction Hazard:	Nil

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	Fish:	Assumed non toxic
Aquatic Toxicity:	Daphnia:	Assumed non toxic
Aquatic Toxicity:	Algae:	Assumed non toxic
Biodegradability:	Yes	
Bio-accumulations:	Nil	

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Dispose in accordance with local legislation
Disposal of packaging:	No special precautions

14. TRANSPORT INFORMATION

Proper Shipping Name:	Columbus DFC
DOT (ground):	Not regulated
IMO (ocean):	Not regulated
IATA (air):	Not regulated
Labels:	None needed
Hazard Class:	None
Special Instructions:	None
ID#:	None
Reportable Quantity:	None

Product is not classified for any mode of transport.

15. REGULATORY INFORMATION

EEC hazard classification:	N/A
Risk Phases:	36
Safety Phases:	2, 26
National Legislation:	N/A

16. OTHER INFORMATION

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