

SAFETY DATA SHEET



1. Product and Company Identification

Product Name DISINFEXIT 10
Product Description QUATERNARY BASED SANITIZER
DIN 02498162

Supplier RM Chemical Inc.
Issue Date May 30, 2020

For Emergency, Product Information or MSDS Call: 587-999-4011
info@rmchemical.ca

2. Hazards Identification

Appearance: Clear Liquid **Physical State:** Liquid **Odor:** Mild odor

Classification Acute Toxicity – Inhalation (Dust/Mists)	Category 2
Acute Toxicity, oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity, single exposure	Category 2
Environmental hazards	
Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment long-term hazard	Category 1

Signal Word: DANGER

Pictograms:



Signal word Danger

Hazard statement Causes severe skin burns and eye damage.

Precautionary statement

Prevention Do not breathe mist or vapour. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE/doctor. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

Supplemental information Classification in accordance with Canada WHMIS 2015 regulation.

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

Exempt - Registered product - (PCP 14957).

Refer to product label for further information.

3. Composition / Information On Ingredients

Name CAS number	% Disinfectant Liquid Mixture	10%
Containing Active Ingredients:		
N-Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	5%
N-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	68956-76-6	5%
Inert Ingredients		90%
	Total	100%

Substances listed in this section are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication Standard.

4. First Aid Measures

Eye contact:	Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed. Check for and remove any contact lenses if easy to do so. Immediately flush eyes with running water for at least 30 minutes, while lifting the eye lids apart. Use cool running water. Do not use an eye ointment.
Skin contact:	Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing separately before reuse.
Inhalation:	Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing has ceased apply artificial respiration using oxygen and suitable mechanical device such as a bag and a mask
Ingestion:	Do NOT induce vomiting. If victim is conscious and alert, give one or two glasses of water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Note to physician	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5. Fire Fighting Measures

Extinguishing media:

Suitable extinguishing media

Water Fog, Foam. Dry chemical powder. Carbon dioxide (CO2)

Protection of firefighters:

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions:	Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.
Environmental precautions:	Prevent further leakage or spillage if safe to do so
Methods of containment	Prevent entry into waterways, sewers, basements or confined areas.
Methods of cleaning up	Wear appropriate protective equipment and clothing during clean-up
Small spills	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
Large spills	Dike far ahead of liquid spill for later disposal.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your provincial regulatory agency.

7. Handling and Storage

Precautions for safe handling Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE

STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure Controls / Personal Protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment **Eye/face protection** Wear safety glasses with side shields (or goggles).

Hand protection Wear protective gloves.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Physical state	Liquid
Color	Clear
pH	7.7
Boiling/condensation point	100 °C (212° F)
Flash point	93.9 °C (201° F) PMCC
Evaporation rate	Estimated slower than ethyl ether
Vapor pressure	Not Determined or Unknown
Vapor Density	Estimated lighter than air
Specific gravity	0.99
Density	8.26 lb/gal
RVOC	<1% (Ethanol)
Percent volatile	9% (w/w) (includes water)

10. Stability / Reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

In compatible materials Strong oxidizing agents. Anionic surfactants

Hazardous decomposition products

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

11. Toxicity Data

Section 10 Stability and Reactivity

Section 11 Toxicity Data

Information on likely routes of exposure

Ingestion Causes digestive tract burns. Harmful if swallowed.

Inhalation Not likely, due to the form of the product.

Skin contact Causes severe skin burns.

Eye contact Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

11. Toxicity Data (Continued)

Information on toxicological effects

Acute toxicity Harmful if swallowed. Fatal if inhaled.

Product Species

DISINFEXIT 10

Product Description QUATERNARY BASED SANITIZER

Acute

Dermal

LD50 Rat > 3346 mg/kg

Oral

LD50 Rat 500 - 5000 mg/kg

Test Results

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure

Specific target organ toxicity - repeated exposure

May cause damage to organs. Not applicable.

Aspiration hazard Not likely, due to the form of the product.

12. Ecological Data

Ecotoxicity Very toxic to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects.

Persistence and degradability Not available.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instruction for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

Local disposal regulations

Dispose in accordance with all applicable regulations. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Hazardous waste code Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Waste from residues / unused products

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transportation Information

General

Canada: TDG Proof of Classification: In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. If applicable, the technical name and the classification of the product will appear below.

Transportation of Dangerous Goods (TDG - Canada)

UN number	UN1903
Basic shipping requirements:	
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE,
N.O.S	
Technical name	Alkyl benzyl dimethyl ammonium chloride
Hazard class	8
Packing group	III
Special provisions	16



15. Regulatory Information

Canadian Federal Regulations

Exempt

Registered product - (PEST CONTROL PRODUCTS ACT: REGISTRATION NO. 14957).

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). Registered product - (PEST CONTROL PRODUCTS ACT: REGISTRATION NO. 14957).

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This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets.

Following is the hazard information required on the pest control product label:

CAUTION READ THE LABEL BEFORE USING.

PRECAUTIONS: Keep out of reach of children. Corrosive, causes severe eye and skin damage. Do not get in eyes, on skin or on clothing. Avoid contamination of food.

NOTE: Do not breathe mist of diluted chemical created from pressure washer applications. Wear suitable protective clothing, (gloves, goggles, rubber boots, wet suit, mist respirator) when using pressure washer system.

TOXICOLOGICAL INFORMATION: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsions may be needed.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and other aquatic organisms. It is not to be used in circumstances that would cause or allow it to enter lakes, streams, ponds, estuaries, oceans or other waters in contravention of federal or provincial regulatory requirements. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. The requirements of applicable laws should be determined before using the product.

Export Control List (CEPA 1999, Schedule 3) Not listed.

Greenhouse Gases Not listed.

Precursor Control Regulations Not regulated.

Inventory status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

Issue date 30-April-2020

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Version No. 01

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. The information in the sheet was written based on the best knowledge and experience currently available.

Prepared By: RM Chemical Inc

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

DISINFEXIT 10	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X