

Safety Data Sheet: DDS-164 PLUS, CM

Supersedes Date: 02/09/2017

Issuing Date: 05/28/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: DDS-164 PLUS, CM

Product Code: 0952

Recommended use Cleaning agent Disinfectants and general biocidal products

Chemical nature Aqueous solution

Information on Manufacturer

CHEMSEARCH FE DIV. OF NCH CORP.

BOX 152170

IRVING, TX 75015

Emergency Telephone

CHEMTREC® 800-424-9300

Telephone inquiry

972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless

Physical state Liquid

Odor Characteristic

GHS

Classification

Physical Hazards

None

Health Hazard

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Category 1

Category 1

Other hazards

None

Labeling

Signal Word

DANGER



Hazard statements

H314 - Causes severe skin burns and eye damage

Precautionary Statements

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P260 - Do not breathe mist

P270 - Do not eat, drink or smoke when using this product

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P332 + P313 - If skin irritation occurs, get medical attention.

P363 - Wash contaminated clothing before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a physician.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P312 - Call a physician if unwell.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

P501 - Dispose of contents and container in accordance with applicable regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Alcohols, C 12-14 secondary, ethoxylated	84133-50-6	3-7
Sodium carbonate	497-19-8	1-5
Alkyl dimethyl ethylbenzyl ammonium chloride (C12-14)	85409-23-0	1-5
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	1-5

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General advice	Do not get in eyes, on skin or on clothing. Do not breathe mist.
Eye Contact	Hold the eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes of treatment, then continue rinsing the eye. Call a Poison Control Center or a doctor for treatment advice.
Skin Contact	Take off all contaminated clothing immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or doctor for further treatment advice.
Ingestion	If swallowed, call a poison control center or doctor immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Notes to physician	The product causes burns of eyes, skin and mucous membranes. Control of circulatory system, shock therapy if needed.

5. FIRE-FIGHTING MEASURES

Flash Point Does not flash	Method Seta closed cup	
Flammability Limits in Air %: No information available.	Upper: No data available	Lower: No data available
Suitable Extinguishing Media		
Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical		
Material can create slippery conditions.		
Protective Equipment and Precautions for Firefighters		
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.		
NFPA	Health 3	Flammability 0
HMIS -	Health 3	Instability 0
		Physical Hazard 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Dilute with plenty of water.

7. HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe mist.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Metal containers must be lined. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.			
Storage Temperature	Minimum	35 °F / 2 °C	Maximum	120 °F / 49 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles. Face-shield.
Skin Protection	Wear suitable protective clothing, Impervious gloves.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations	Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Viscosity	Non viscous
Color	Colorless	Odor	Characteristic
Odor Threshold	Not applicable	Appearance	Transparent
pH	12	Specific Gravity	1.04
Evaporation Rate	0.66 (Butyl acetate=1)	Percent Volatile (Volume)	93.5
VOC Content (%)	0	VOC Content (g/L)	0
Vapor pressure	16.7 mmHg @ 70°F	Vapor Density	0.7 (Air = 1.0)
Solubility	Completely soluble	n-Octanol/Water Partition	No data available
Melting Point/Range	No data available	Decomposition Temperature	No data available
Boiling Point/Range	> 212 °F / > 100 °C	Flammability (solid, gas)	No data available
Flash Point	Does not flash	Method	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	No information available.	Upper:	No data available
		Lower:	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known.
Incompatible Products	Anionic surfactants.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx).
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure Skin contact, Eye contact, Inhalation.

Primary Routes of Entry Skin contact, Skin Absorption.

Acute Effects:

Eyes	Corrosive to the eyes and may cause severe damage including blindness.
Skin	Causes skin burns.
Inhalation	Harmful by inhalation. Causes burns.
Ingestion	If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.

Chronic Toxicity

Inhaled corrosive substances can lead to a toxic edema of the lungs.

Target Organ Effects:

No information available.

Aggravated Medical Conditions

No information available.

Component Information

Acute Toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	Draize Test	Other
Alcohols, C 12-14 secondary, ethoxylated 84133-50-6	= 2100 mg/kg (Rat)	no data available	No data available	No data available	No data available
Sodium carbonate 497-19-8	= 4090 mg/kg (Rat)	no data available	= 2300 mg/m ³ (Rat) 2 h	No data available	No data available
Alkyl dimethyl ethylbenzyl ammonium chloride (C12-14) 85409-23-0	430 mg/kg (Rat)	3560 mg/kg (Rat)	No data available	No data available	No data available
Alkyl dimethyl benzyl ammonium chloride (C12-18) 68391-01-5	430 mg/kg (Rat)	= 2300 mg/kg (Rabbit) = 1420 mg/kg (Rat)	No data available	No data available	No data available

Chronic Toxicity No information available.

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information Toxic to aquatic organisms

Additional Ecological Information: No information available

Component Information

Chemical name	Toxicity to Algae	Toxicity to Fish	Microtox	Crustacea	Partition coefficient
Alcohols, C 12-14 secondary, ethoxylated	No information available.	LC50 = 3.2 mg/L Pimephales promelas 96 h	No information available	3.2: 48 h water flea mg/L EC50	N/A
Sodium carbonate	EC50 = 242 mg/L Nitzschia 120 h	LC50 = 300 mg/L Lepomis macrochirus 96 h LC50 310 - 1220 mg/L Pimephales promelas 96 h	No information available	265: 48 h Daphnia magna mg/L EC50	N/A
Alkyl dimethyl benzyl ammonium chloride (C12-18)	No information available.	LC50 0.823 - 1.61 mg/L Oncorhynchus mykiss 96 h LC50 = 2.4 mg/L Oryzias latipes 96 h LC50 0.223 - 0.46 mg/L Lepomis macrochirus 96 h LC50 = 1.3 mg/L Poecilia reticulata 96 h	No information available	No information available.	N/A

Persistence and Degradability

No information available.

Bioaccumulation

Not likely to bioaccumulate.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency.

Container Disposal

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

DISINFECTANTS, LIQUID, CORROSIVE, N.O.S.

Hazard Class

8

UN-No

UN1903

Packing Group

II

Description

UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (QUATERNARY AMMONIUM COMPOUND), 8, PG II

TDG

Proper shipping name

DISINFECTANTS, LIQUID, CORROSIVE, N.O.S.

Hazard Class

8

UN-No

UN1903

Packing Group

II

Description

UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (QUATERNARY AMMONIUM COMPOUND), 8, PG II

ICAO

UN-No

UN1903

Proper Shipping Name

DISINFECTANTS, LIQUID, CORROSIVE, N.O.S.

Hazard Class

8

Packing Group

II

Shipping Description

UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (QUATERNARY AMMONIUM COMPOUND), 8, PG II

IATA

UN-No

UN1903

Proper Shipping Name

DISINFECTANTS, LIQUID, CORROSIVE, N.O.S.

Hazard Class

8

Packing Group

II

ERG-Code

8L

Shipping Description

UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (QUATERNARY AMMONIUM COMPOUND), 8, PG II

IMDG/IMO

UN proper shipping name	DISINFECTANTS, LIQUID, CORROSIVE, N.O.S.
Hazard Class	8
UN Number	UN1903
Packing Group	II
EmS No.	F-A, S-B
Description	UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (QUATERNARY AMMONIUM COMPOUND), 8, PG II

15. REGULATORY INFORMATION

Inventories

TSCA Complies

DSL Complies

U.S. Federal Regulations

FIFRA

This chemical is a pesticide product registered by the US EPA and is subject to certain labeling requirements under federal pesticide laws. These requirements differ from the classification criteria and hazard information required for SDSs, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER

Corrosive

Causes irreversible eye damage and skin burns.

Harmful if swallowed or absorbed through skin.

The pesticide is toxic to fish and aquatic organisms.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA

16. OTHER INFORMATION

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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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