DRBC Agar (ISO)

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)
Issue date: 05-15-2025 Revision date: 10-29-2026 Supersedes: 02-19-2026 Version: 6.0

SECTION 1 Identification

1.1. GHS Product identifier

Product form	:	Mixture
Trade name	:	DRBC Agar (ISO)
Type of product	:	Food Safety -- [Food Safety]
Product code	:	NCM0082

1.2. Other means of identification

Part Number(s)	:	NCM0082|700004470|NCM0082A|700004471|NCM0082B|700004472|NCM0082C|700004473|NCM0082D

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	:	DCM Agar,Laboratory chemicals,Scientific research and development
Recommended use	:	Scientific research and development,Laboratory chemicals

1.4. Supplier's details

Manufacturer
Neogen Corporation
620 Lesher Place
Lansing, Michigan 48912
United States of America
T 800.234.5333
sds@neogen.com - https://www.neogen.com/

1.5. Emergency phone number

Emergency number	:	24 hours: Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international) Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Carcinogenicity, Category 1B	H350	May cause cancer.

Full text of H statements : see section 16

2.2. GHS label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H350 - May cause cancer.

Precautionary statements (GHS CA) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

P308+P313 - IF exposed or concerned: Get medical advice or attention.
P405 - Store locked up.
P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)

Chloramphenicol	[R-(R*,R*)]-2,2-Dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl] acetamide ; Chloramphenicol, D-Chloramphenicol (R-(R*,R*))-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl] acetamide / [R-(R*,R*)]-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl] acetamide / [theta-(theta,theta)]-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl] acetamide / 1-(para-nitrophenyl)-2-(dichloroacetylamino)-1,3-propanediol, D-threo- / 1-(p-nitrophenyl)-2-(dichloroacetylamino)-1,3-propanediol, D-threo- / 1-para-nitrophenyl-2-dichloracetamido-1,3-propanediol, D(-)-threo- / 1-p-nitrophenyl-2-dichloracetamido-1,3-propanediol, D(-)-threo- / 2,2-dichloro-N- (beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenrthyl)acetamide / 2,2-	CAS-No.: 56-75-7	≥ 0.1 – < 0.5	Carc. 1B, H350

	dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl))-p-nitrophenethylacetamide, D(-)-threo- / 2,2-dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenylethyl)acetamide, D(-)- / 2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide / 2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide, (R-(R*,R*))- / 2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide, [R-(R*,R*)]- / 2,2-dichloro-N-[beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenethyl]acetamide, D(-)-threo- / 2,2-dichloro-N-[beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenethyl]acetamide, D-threo- / 2-dichloroacetamido-1-[p-nitrophenyl]-1,3-propanediol, D(-)-threo- / 2-dichloroacetamido-1-p-nitrophenyl-1,3-propanediol, D(-)-threo- / 2-dichloro-N-(beta-hydroxy-alpha-			

	(hydroxymethyl)-p-nitrophenethyl)acetamide, D-(-)-threo- / acetamide, 2,2-dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenethyl)- / acetamide, 2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]-, (R-(R*,R*))- / acetamide, 2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl], [R-(R*,R*)]- / acetamide, 2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]-, [theta-(theta,theta)]- / acetamide, 2-dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenethyl)-, D-(-)-threo- / AK-chlor / alficetyn / ambofen / amphenicol / amphicol / amseclor / anacetin / aquamycetin / austracol / biocetin / biophenicol / C.A.F. / CAF (pharmaceutical) / CAM / CAP / catilan / chemicetin / chernicetina / chlomin / chlomycol / chloramex /			

	chloramfenikol / chloramfilin / chloramphenicol / chloramphenicol, D- / chloramphenicol, D(-)-threo- / chloramphenicol, D-threo- / chloramsaar / chlorasol / chlora-tabs / chloricol / chlornitromycin / chloro-25 vetag / chloroamphenicol / chlorocaps / chlorocid / chlorocid S / chlorocide / chlorocidin C / chlorocidin C tetran / chlorocol / chloroject L / chloromax / chloromycetin / chloromycetny / chloronitrin / chloroptic / chlorovules / cidocetine / ciplamycetin / cloramfen / cloramficin / cloramicol / cloramidina / cloroamfenicolo / clorocyn / cloromisan / clorosintex / comycetin / CPH / cylphenicol / D-(-)-2,2-dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenylethyl)acetamide / D-(-)-threo-1-p-nitrophenyl-2-dichloracetamido-1,3-propanediol / D-(-)-threo-2,2-dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl))-p-			

	nitrophenethylacetamide / D(-)-threo-2,2-dichloro-N-[beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenethyl]acetamide / D(-)-threo-2-dichloroacetamido-1-[p-nitrophenyl]-1,3-propanediol / D(-)-threo-2-dichloroacetamido-1-p-nitrophenyl-1,3-propanediol / D-(-)-threo-2-dichloroacetamido-1-p-nitrophenyl-1,3-propanediol / D-(-)-threo-2-dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenethyl)acetamide / D-(-)-threo-chloramphenicol / D-chloramphenicol / desphen / detreomycin / detreomycine / doctamicina / D-threo-1-(para-nitrophenyl)-2-(dichloroacetylamino)-1,3-propanediol / D-threo-1-(p-nitrophenyl)-2-(dichloroacetylamino)-1,3-propanediol / D-threo-2,2-dichloro-N-[beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenethyl]acetamide / D-threo-chloramphenicol / D-threo-N-(1,1'-dihydroxy-1-p-nitrophenylisopro			

	pyl)dichloroacetamide / D-threo-N-dichloroacetyl-1-p-nitrophenyl-2-amino-1,3-propanediol / duphenicol / econochlor / embacetin / emetren / enicol / enteromycetin / erbaplast / ertilen / farmicetina / fenicol / globenicol / glorous / halomycetin / hortfenicol / I 337A / interomyocetine / intramycetin / isicetin / isophenicol / isopto fenicol / isrnicetina / juvamycetin / kamaver / kemicetina / kemicetine / klorita / klorocid S / leukomyan / leukomycin / levomicetina / levomycetin / loromisin / mastiphen / mediamycetine / medichol / micloretin / micoclorina / microcetina / mychel / mycinol / N-(1,1'-dihydroxy-1-p-nitrophenylisopropyl)dichloroacetamide, D-threo- / N-dichloroacetyl-1-p-nitrophenyl-2-amino-1,3-propanediol, D-threo- / normimycin V / novochlorocap / novomycetin / novophenicol / NSC 3069 /			

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	oftalent / oleornycetin / opclor / ophthochlor / otachron / otophen / pantovernil / paraxin / pentarnycetin / quemicetina / rivomycin / romphenil / ronfenil / septicol / sificetina / sintomicetina / sintomicetine R / sno phenicol / stanomycetin / synthomycetin / synthomycetine / tega-cetin / tevcocin / tifomycine / tifornycin / treomicetina / U-6062 / unimycetin / veticol / viceton			

Full text of hazard classes and H-statements : see section 16

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.
First-aid measures general : IF exposed or concerned: Get medical advice/attention.
Personal protection for first-aid responders. : First-aiders should consider self-protection and use the recommended personal protective equipment (see section 8).

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation.
Symptoms/effects after ingestion : None under normal conditions.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	:	Water spray. Dry powder. Foam.
Unsuitable extinguishing media	:	Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	:	No fire hazard.
Explosion hazard	:	No direct explosion hazard.
Hazardous decomposition products in case of fire	:	Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions	:	Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.
Environmental precautions	:	Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

For containment	:	Using a clean shovel, put the material in a dry container and cover without compressing it.
Methods for cleaning up	:	Mechanically recover the product. Notify authorities if product enters sewers or public waters.
Other information	:	Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly.
Hygiene measures	:	Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Keep in a cool, well-ventilated place away from heat.
Storage conditions	:	Store locked up.
Storage temperature	:	2 – 30 °C
Packaging materials	:	Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:
Wear recommended personal protective equipment.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Powder.
Color	:	Beige Pink
Odor	:	Characteristic
Odor threshold	:	No data available
pH	:	5.4 – 5.8
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	Not applicable
Boiling point	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Non flammable

Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	Not applicable
Explosion limits	:	Not applicable
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).
Incompatible materials	:	No additional information available
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	:	No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

DRBC Agar (ISO)	
Unknown acute toxicity (GHS CA)	4.73% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 83.49% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 83.49% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Chloramphenicol (56-75-7)	
LD50 oral	2500 mg/kg
ATE CA (oral)	2500 mg/kg body weight

Skin corrosion/irritation : Not classified.
pH: 5.4 – 5.8

Chloramphenicol (56-75-7)	
pH	5 – 7 (1 %)

Serious eye damage/irritation : Not classified
pH: 5.4 – 5.8

Chloramphenicol (56-75-7)	
pH	5 – 7 (1 %)

Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	May cause cancer.

Chloramphenicol (56-75-7)	
IARC group	2A - Probably carcinogenic to humans
National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

DRBC Agar (ISO)	
Viscosity, kinematic	Not applicable

Symptoms/effects after inhalation : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation.
Symptoms/effects after ingestion : None under normal conditions.

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute) : Not classified.
Hazardous to the aquatic environment, long–term (chronic) : Not classified.

Chloramphenicol (56-75-7)	
LC50 - Fish [1]	10 mg/l
ErC50 algae	0.78 mg/l

12.2. Persistence and degradability

DRBC Agar (ISO)	
Persistence and degradability	Not rapidly degradable

Chloramphenicol (56-75-7)	
Persistence and degradability	Biodegradable in water.

12.3. Bioaccumulative potential

Chloramphenicol (56-75-7)	
Bioaccumulative potential	No bioaccumulation data available.
Partition coefficient n-octanol/water (Log Pow)	1.14 Source: HSDB

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.
Ecological waste information : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN Number			
Not regulated for transport			
14.2. UN Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group, if applicable			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

TDG
Not regulated

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/78[9] and the IBC Code[10]

Not applicable

SECTION 15 Regulatory information

Chloramphenicol (56-75-7)	
Listed on the Canadian DSL (Domestic Substances List)	
Canada DSL & NDSL Flags	Significant New Activity (SNAc) provisions of the Act apply

Chloramphenicol (56-75-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active **Listed on INSQ (Mexican National Inventory of Chemical Substances)**

SECTION 16 Other Information

Issue date : 05-15-2025
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Supersedes : 02-19-2026

Full text of hazard classes and H-statements:	
H350	May cause cancer.

Safety Data Sheet (SDS), Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.