

SECTION 1 Identification**1.1. GHS Product identifier**

Product form : Mixture
Trade name : HC Agar Base
Type of product : Food Safety -- [Food Safety]
Product code : NCM0155

1.2. Other means of identification

Part Number(s) : NCM0155|400000846|700003416

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Laboratory chemicals, Scientific research and development

1.4. Supplier's details

Neogen Corporation
620 Leshar 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.
Combustible dust, Category 1 May form combustible dust concentrations in air
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) : H Comb Dust - May form combustible dust concentrations in air
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.

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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

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3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Sodium carbonate	Sodium Carbonate anhydrous soda / ash / bisodium carbonate / calcined soda(=sodium carbonate) / carbonic acid sodium salt / carbonic-acid- disodium-salt- / CASWELL NO. 752 / chrystol carbonate / crystol carbonate (=sodium carbonate) / natural ash / Na-X / snowlite 1 / soda (=sodium carbonate) / soda ash / soda, crystals / sodium carbonate / sodium carbonate, anhydrous / sodium carbonate, anhydrous ASTM D458 / sodium carbonate, anhydrous GE materials D4D5 / sodium carbonate, anhydrous powder / sodium carbonate, crude / sodium carbonate, granular / Solvay soda / synthetic ash / washing soda (=sodiumcarbonat e)	CAS-No.: 497-19-8	3.082	Eye Irrit. 2, H319

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Ammonium chloride	Ammonium chloride AI3-08937 / amchlor / amchloride / ammon chlor / ammoneric / ammoniac salt / ammonii chloridum / ammonium chloride / ammonium chloride ((NH4)Cl) / ammonium muriate / B743 / darammon / muriate of ammonia / sal ammonia / sal ammoniac / salammoniate / salammonite / salmiac / salmiak	CAS-No.: 12125-02-9	2.538	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2, H319

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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-(dichloroacetylami no)-1,3-propanediol, D-threo- / 1-(p-nitrophenyl)-2-(dichloroacetylami no)-1,3-propanediol, D-threo- / 1-para-nitrophenyl-2-dichloroacetamido-1,3-propanediol, D(-)-threo- / 1-p-nitrophenyl-2-dichloroacetamido-1,3-propanediol, D(-)-threo- / 2,2-dichloro-N- (beta-hydroxy-alpha-(hydroxymethyl)-p-nitrophenrthyl)ace tamide / 2,2-	CAS-No.: 56-75-7	0.181	Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
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	dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl))-p-nitrophenethylacetamide, D(-)-threo- / 2,2-dichloro-N-(beta-hydroxy-alpha-(hydroxymethyl))-p-nitrophenylethylacetamide, 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-			
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	(hydroxymethyl)- p- nitrophenethyl)ac etamide, 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 /			
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	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 / chloropic / 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)a cetamide / D(-)- threo-1-p- nitrophenyl-2- dichloracetamido- 1,3-propanediol / D(-)-threo-2,2- dichloro-N-(beta- hydroxy-alpha- (hydroxymethyl))- p-			
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	nitrophenethylace tamide / D(-)- threo-2,2- dichloro-N-[beta- hydroxy-alpha- (hydroxymethyl)- p- nitrophenethyl]ac etamide / 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)ac etamide / D(-)- threo- chloramphenicol / D- chloramphenicol / desphen / detreomycin / detreomycine / doctamicina / D- threo-1-(para- nitrophenyl)-2- (dichloroacetylami no)-1,3- propanediol / D- threo-1-(p- nitrophenyl)-2- (dichloroacetylami no)-1,3- propanediol / D- threo-2,2- dichloro-N-[beta- hydroxy-alpha- (hydroxymethyl)- p- nitrophenethyl]ac etamide / D-threo- chloramphenicol / D-threo-N-(1,1'- dihydroxy-1-p- nitrophenylisopro			
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	pyl)dichloroaceta mide / D-threo-N- dichloroacetyl-1- p-nitrophenyl-2- amino-1,3- propanediol / duphenicol / econochlor / embacetin / emetren / enicol / enteromycetin / erbaplast / ertilen / farmicetina / fenicol / globenicol / glorious / halomycetin / hortfenicol / I 337A / interomyocetine / intramycetin / isicetin / isophenicol / isopto fenicol / ismicetina / juvamycetin / kamaver / kemicetina / kemicetine / klorita / klorocid S / leukomyan / leukomycin / levomicetina / levomycetin / loromisin / mastiphen / mediamycetine / medichol / miclorelin / micoclorina / microcetina / mychel / mycinol / N-(1,1'-dihydroxy- 1-p- nitrophenylisopro pyl)dichloroaceta mide, D-threo- / N-dichloroacetyl- 1-p-nitrophenyl-2- amino-1,3- propanediol, D- threo- / normimycin V / novochlorocap / novomycetin / novophenicol / NSC 3069 /			
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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
	oftalent / oleornycetin / opclor / ophthochlor / otachron / otophen / pantovernil / paraxin / pentarnycetin / quemiketina / 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.

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.
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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 : May form combustible dust concentrations in air.
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. Avoid dust formation.
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 : Store always product in container of same material as original container.

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according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Ammonium chloride (12125-02-9)	
Canada (Alberta) - Occupational Exposure Limits	
Local name	Ammonium chloride fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Ammonium chloride fume
VECD (OEL STEV)	20 mg/m ³
VEMP (OEL TWA EV)	10 mg/m ³
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Ammonium chloride
OEL TWA	10 mg/m ³ Fume
OEL STEL	20 mg/m ³ Fume
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Ammonium chloride, fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Notations and remarks	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2024
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Ammonium chloride, fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Notations and remarks	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2024
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Ammonium chloride, fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Notations and remarks	TLV® Basis: Eye & URT irr

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Ammonium chloride (12125-02-9)	
Regulatory reference	ACGIH 2024
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Ammonium chloride fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Ammonium chloride fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-013-2020)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Ammonium chloride, fume
OEL TWA _{EV}	10 mg/m ³
	20 mg/m ³
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Ammonium chloride, fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Notations and remarks	TLV® Basis: Eye & URT irr
Regulatory reference	ACGIH 2024
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Ammonium chloride fume
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10

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

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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
Odor	: Characteristic
Odor threshold	: No data available
pH	: 6.8 – 7.2
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	: Avoid dust formation. Heat. No flames, no sparks. Eliminate all sources of ignition.

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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

HC Agar Base	
Unknown acute toxicity (GHS CA)	12.51% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 73.06% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 70.52% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Sodium carbonate (497-19-8)	
LD50 oral rat	2800 mg/kg (Rat, Male / female, Experimental value of similar product, Hydrate form, Oral, 14 day(s))
LD50 oral	2800 mg/kg
LD50 dermal rabbit	> 2000 mg/kg (16 CFR 1500.40, 24 h, Rabbit, Experimental value of similar product, Hydrate form, Dermal, 14 day(s))
LD50 dermal	2500 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.2 mg/l/4h
ATE CA (oral)	2800 mg/kg body weight
ATE CA (Dermal)	2500 mg/kg body weight
ATE CA (dust,mist)	1.2 mg/l/4h

Ammonium chloride (12125-02-9)	
LD50 oral rat	1410 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	1410 mg/kg
LD50 dermal rat	> 2000 mg/kg body weight (EU Method B.3: Acute toxicity (dermal), 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 3.6 mg/l (4 h, Rat, Male, Read-across, Inhalation (dust))
ATE CA (oral)	1410 mg/kg body weight
ATE CA (dust,mist)	1.5 mg/l/4h

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

Skin corrosion/irritation	: Not classified. pH: 6.8 – 7.2
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Ammonium chloride (12125-02-9)	
pH	5 – 5.5 (1 - 10 %, 25 °C)

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Chloramphenicol (56-75-7)	
pH	5 – 7 (1 %)
Serious eye damage/irritation	: Not classified pH: 6.8 – 7.2
Ammonium chloride (12125-02-9)	
pH	5 – 5.5 (1 - 10 %, 25 °C)
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
Ammonium chloride (12125-02-9)	
NOAEL (oral, rat, 90 days)	≈ 1695.7 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified
HC Agar Base	
Viscosity, kinematic	Not applicable
Sodium carbonate (497-19-8)	
Viscosity, kinematic	Not applicable (solid)
Ammonium chloride (12125-02-9)	
Viscosity, kinematic	Not applicable (solid)
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.

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Sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l (96 h, <i>Lepomis macrochirus</i> , Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	200 – 227 mg/l (48 h, <i>Ceriodaphnia</i> sp., Semi-static system, Fresh water, Experimental value, Locomotor effect)
EC50 - Crustacea [2]	200 – 227 mg/l Test organisms (species): <i>Ceriodaphnia</i> sp.
EC50 96h - Algae [1]	242 mg/l Source: ECOTOX
Ammonium chloride (12125-02-9)	
LC50 - Fish [1]	209 mg/l (APHA, 96 h, <i>Cyprinus carpio</i> , Semi-static system, Experimental value)
EC50 - Crustacea [1]	101 mg/l (ASTM E729-80, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value, Lethal)
ErC50 algae	1300 mg/l (5 day(s), <i>Chlorella vulgaris</i> , Static system, Fresh water, Experimental value, Nominal concentration)
NOEC chronic fish	8 mg/l
NOEC chronic crustacea	14.6 mg/l
NOEC chronic algae	26.8 mg/l
Chloramphenicol (56-75-7)	
LC50 - Fish [1]	10 mg/l
ErC50 algae	0.78 mg/l

12.2. Persistence and degradability

HC Agar Base	
Persistence and degradability	Not rapidly degradable
Sodium carbonate (497-19-8)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
Ammonium chloride (12125-02-9)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
Chloramphenicol (56-75-7)	
Persistence and degradability	Biodegradable in water.

12.3. Bioaccumulative potential

Sodium carbonate (497-19-8)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-6.19 Source: Quantitative Structure Activity Relation
Ammonium chloride (12125-02-9)	
Bioaccumulative potential	Not bioaccumulative.

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according to the Hazardous Products Regulation (WHMIS 2015)

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

Sodium carbonate (497-19-8)	
Surface tension	No data available in the literature
Ecology - soil	Low potential for adsorption in soil.

Ammonium chloride (12125-02-9)	
Surface tension	No data available in the literature
Ecology - soil	Adsorption to soil is possible.

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.

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			

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according to the Hazardous Products Regulation (WHMIS 2015)

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 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

Sodium carbonate (497-19-8)

Listed on the Canadian DSL (Domestic Substances List)

Ammonium chloride (12125-02-9)

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 Canadian DSL (Domestic Substances List)

Canada DSL & NDSL Flags

Significant New Activity (SNAc) provisions of the Act apply

Sodium carbonate (497-19-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Ammonium chloride (12125-02-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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 : 05-19-2025

Full text of hazard classes and H-statements:

H302

Harmful if swallowed

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according to the Hazardous Products Regulation (WHMIS 2015)

Full text of hazard classes and H-statements:

H319	Causes serious eye irritation
H332	Harmful if inhaled
H350	May cause cancer.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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.