



CN Supplement

Safety Data Sheet

according to the WHS Regulations
Issue date: 1/08/2025 Revision date: 18/05/2026 Supersedes: 13/10/2025 Version: 3.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : CN Supplement
Product code : NCM4008

1.2. Other means of identification

Part Number(s) : NCM4008|700003738|NCM4008-0.5

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Scientific research and development
Laboratory chemicals

1.4. Details of manufacturer or importer

Supplier

Neogen Corporation
620 Leshar Place
Lansing Michigan 48912
United States of America
T 800.234.5333
sds@neogen.com - <https://www.neogen.com/>

Importer

Neogen Australasia Pty Ltd
14 Hume Drive
Bundamba Queensland 4304
Australia
T 07 3736 2134
naa@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)

Country/Area	Organisation	Emergency number
Australia	NSW Poisons Information Centre. The Children's Hospital at Westmead. Locked Bag 4001 NSW 2145 Westmead.	13 11 26

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 5	H313
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 1	H318
Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity – Repeated exposure, Category 1	H372

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2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)



Signal word (GHS AU)

: Danger

Contains

: Hexadecyltrimethylammonium bromide ($\geq 75\%$); Nalidixic acid sodium salt ($\geq 5 - < 10\%$)

Hazard statements (GHS AU)

: H302 - Harmful if swallowed
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS AU)

: P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P284 - Wear respiratory protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 POISON CENTER or doctor.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Unknown acute toxicity (GHS AU)

: 15.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
100% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Hexadecyltrimethylammonium bromide	57-09-0	≥ 75	Acute Tox. 4 (Oral), H302 Acute Tox. 5 (Dermal), H313 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 1, H372

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Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Nalidixic acid sodium salt	3374-05-8	≥ 5 – < 10	Acute Tox. 5 (Oral), H303 Resp. Sens. 1, H334 Skin Sens. 1, H317
Other substances (not contributing to the classification of this product)	-	0 – 20	-

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: May be harmful in contact with skin. Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Harmful if swallowed.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. 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.
General measures	: Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective equipment and precautions 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.

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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.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment.

6.3. 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Use only outdoors or in a well-ventilated area.
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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. Store in a well-ventilated place. Keep container tightly closed.
Storage temperature : 2 – 8 °C
Packaging materials : Always store product in container of same material as original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. 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.

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Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: Pellet.
Colour	: White Off-white
Odour	: Characteristic
Odour threshold	: No data available
pH	: 5 – 7
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Freezing point: Not applicable
Boiling point	: No data available
Flash point	: $\approx 244\text{ }^{\circ}\text{C}$
Auto-ignition temperature	: Not applicable
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: Slightly soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosive properties	: No data available
Explosive limits	: Not applicable
Minimum ignition energy	: No data available
Fat solubility	: No data 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.

SECTION 11: Toxicological information

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

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ATE AU (oral)	476.67 mg/kg bodyweight
ATE AU (dermal)	2150 mg/kg bodyweight
Hexadecyltrimethylammonium bromide (57-09-0)	
LD50 oral rat	465 – 891 mg/kg (OECD 401: Acute Oral Toxicity, 14 day(s), Rat, Male / female, Read-across, Oral, 14 day(s))
LD50 oral	410 mg/kg

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Hexadecyltrimethylammonium bromide (57-09-0)	
LD50 dermal rabbit	2150 mg/kg bodyweight (Other, 24 h, Rabbit, Male / female, Read-across, Skin, 14 day(s))
Nalidixic acid sodium salt (3374-05-8)	
LD50 oral rat	2040 mg/kg (Rat, Oral)
Unknown acute toxicity (GHS AU)	: 15.38% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 100% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Skin corrosion/irritation	: Causes skin irritation. pH: 5 – 7
Serious eye damage/irritation	: Causes serious eye damage. pH: 5 – 7
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Hexadecyltrimethylammonium bromide (57-09-0)	
LOAEL (animal/female, F0/P)	≈ 100 mg/kg bodyweight Animal: rat, Animal sex: female
NOAEL (animal/female, F0/P)	≈ 50 mg/kg bodyweight Animal: rat, Animal sex: female
STOT-single exposure	: May cause respiratory irritation.
Hexadecyltrimethylammonium bromide (57-09-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Hexadecyltrimethylammonium bromide (57-09-0)	
LOAEL (dermal, rat/rabbit, 90 days)	10 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEL (oral, rat, 90 days)	50 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:, Guideline: other:, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral)), Guideline: other:
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
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Viscosity, kinematic	Not applicable
Hexadecyltrimethylammonium bromide (57-09-0)	
Viscosity, kinematic	Not applicable (solid)

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor 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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Hexadecyltrimethylammonium bromide (57-09-0)	
LC50 - Fish [1]	0.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	26 µg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)
ErC50 algae	0.03 mg/l
NOEC (chronic)	0.023 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
BCF - Fish [1]	407 – 741 (8 week(s), Cyprinus carpio, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.18 (Calculated, KOWWIN, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.49 (log Koc)
LD50 dermal rabbit	2150 mg/kg bodyweight (Other, 24 h, Rabbit, Male / female, Read-across, Skin, 14 day(s))
LD50 oral rat	465 – 891 mg/kg (OECD 401: Acute Oral Toxicity, 14 day(s), Rat, Male / female, Read-across, Oral, 14 day(s))

Nalidixic acid sodium salt (3374-05-8)	
LD50 oral rat	2040 mg/kg (Rat, Oral)

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable

Hexadecyltrimethylammonium bromide (57-09-0)	
Persistence and degradability	Readily biodegradable in water.

Nalidixic acid sodium salt (3374-05-8)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Hexadecyltrimethylammonium bromide (57-09-0)	
BCF - Fish [1]	407 – 741 (8 week(s), Cyprinus carpio, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.18 (Calculated, KOWWIN, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.49 (log Koc)
Bioaccumulative potential	Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$).

Nalidixic acid sodium salt (3374-05-8)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

Hexadecyltrimethylammonium bromide (57-09-0)	
Surface tension	39 mN/m (25 °C, 0.8 mmol/l, Wilhelmy plate method: surface tension)
Ecology - soil	Low potential for mobility in soil.
Partition coefficient n-octanol/water (Log Pow)	3.18 (Calculated, KOWWIN, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.49 (log Koc)

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12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

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Fluorinated greenhouse gases	False
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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 ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
Not applicable	3077	3077
14.2. UN Proper Shipping Name		
Not applicable	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cetrimidium bromide)	Environmentally hazardous substance, solid, n.o.s. (Cetrimidium bromide)
Transport document description		
Not applicable	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cetrimidium bromide), 9, III	UN 3077 Environmentally hazardous substance, solid, n.o.s. (Cetrimidium bromide), 9, III
14.3. Transport hazard class(es)		
Not applicable	9	9
Not applicable		
14.4. Packing group		
Not applicable	III	III
14.5. Environmental hazards		
Not applicable	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

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Transport by road and rail

Not applicable

Transport by sea

UN-No. (IMDG) : 3077
Special provisions (IMDG) : 274, 335, 375, 966, 967, 969
Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP02, P002
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
Tank instructions (IMDG) : BK1, BK2, BK3, T1
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW23

Air transport

UN-No. (IATA) : 3077
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, A197, A215
ERG code (IATA) : 9L

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : Contains substance(s) listed on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Not applicable

Australian Pesticides and Veterinary Medicines Authority (APVMA)

Not applicable

15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 18/05/2026

Classification

Acute Tox. 4 (Oral)	H302
Acute Tox. 5 (Dermal)	H313

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Classification	
Skin Irrit. 2	H315
Eye Dam. 1	H318
Resp. Sens. 1	H334
Skin Sens. 1	H317
STOT SE 3	H335
STOT RE 1	H372

Full text of H-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Acute Tox. 5 (Dermal)	Acute toxicity (dermal), Category 5
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure

Safety Data Sheet (SDS), Australia

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.