Reveal® 3-D for Sesame

Kit Product

Kit identification

Trade name : Reveal® 3-D for Sesame
Product code : 8535
Part Number(s) : 8535|700002600

Details of the supplier of the Kit safety information sheet

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

General information

Restrictions on use : Do not use kit components from one kit with any other kit.
General description : This is a test kit that is comprised of several individual components, listed below, each of which may have its own Safety Data Sheet (SDS). Articles, and otherwise immobilized and inaccessible chemicals, do not have a Safety Data Sheet in this packet.

Kit contents

Name	GHS classification
Rapid Extraction Buffer, Type 8	Not classified

Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
UN number		
Not regulated for transport		
Proper Shipping Name		
Not regulated	Not regulated	Not regulated
Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
Packing group		
Not regulated	Not regulated	Not regulated
Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

Special precautions for user

UN RTDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 1: Identification

1.1. Product identifier

Trade name : Rapid Extraction Buffer, Type 8

Name : REB 8

Product code T501114M

1.2. Other means of identification

Part Number(s) : T501114M|T501114B

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Scientific research and development,Laboratory chemicals

Restrictions on use : Do not use kit components from one kit with any other kit.

1.4. Details of the supplier of the safety data sheet

Manufacturer

Neogen Corporation

620 Lesher Place Lansing 48912 Michigan United States of America

T 800.234.5333

sds@neogen.com - https://www.neogen.com/

1.5. Emergency telephone 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: Hazards identification

2.1. Classification of the substance or mixture

Not classified

2.2. Label elements

No additional information available

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS PH classification
Water	CAS-No.: 7732-18-5	≥ 75	Not classified
Excipient	-	≥ 0.5 – < 1	STOT SE 3, H335
Tris(hydroxymethyl)aminomethane	CAS-No.: 77-86-1	≥ 0.5 – < 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Name	Product identifier	%	GHS PH classification
Blocking agent	-	≥ 0.1 – < 0.5	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Magnesium nitrate	CAS-No.: 10377-60-3	< 0.1	Flam. Gas Not applicable Aerosol Not applicable Ox. Gas Not applicable Press. Gas Not applicable Flam. Liq. Not applicable Self-react. Not applicable Pyr. Liq. Not applicable Ox. Liq. Not applicable Ox. Sol. 3, H272 Org. Perox. Not applicable Met. Corr. Classification not possible Acute Tox. Classification not possible (Inhalation:vapour) Acute Tox. Classification not possible (Inhalation:dust,mist) Eye Irrit. 2, H319 STOT SE 1, H370
2-Methyl-5-chloro-3-isothiazolone	CAS-No.: 26172-55-4	< 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Magnesium chloride	CAS-No.: 7786-30-3	< 0.1	Not classified
2-Methyl-4-isothiazolin-3-one hydrochloride	CAS-No.: 26172-54-3	< 0.1	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

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.

Personal protection for first-aid responders. : First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : None under normal conditions.

Symptoms/effects after skin contact : None under normal conditions.

Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : None under normal conditions.

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	No fire hazard.
Explosion hazard	:	No direct explosion hazard.
Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport.
General measures	:	Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

5.3. Advice for firefighters

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	:	Stop leak if safe to do so. 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.

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. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	:	Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up	:	Take up liquid spill into absorbent material.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	:	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	:	Keep cool. Protect from sunlight.
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

Exposure limit values of other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

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

8.4. Personal protective equipment

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 insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Aqueous solution.

Color : Clear,Colorless
Odor : Odorless

Odor threshold : No data available
pH : 10
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available

Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability	:	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 Kow)	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	No data available
Lower explosive limit (LEL)	:	No data available
Upper explosive limit (UEL)	:	No data available

9.2. Other information

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

SECTION 11: Toxicological information

11.1. Acute toxicity

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

Water (7732-18-5)	
LD50 oral rat	90000 mg/kg

Excipient	
LD50 oral rat	2610 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 5.5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))
LC50 Inhalation - Rat (Dust/Mist)	> 5.5 mg/l Source: International Uniform ChemicaL Information Database

Tris(hydroxymethyl)aminomethane (77-86-1)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
LD50 dermal rabbit	5900 mg/kg Source: Corporate Solution From Thomson Micromedex

Magnesium nitrate (10377-60-3)	
LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))

Magnesium nitrate (10377-60-3)	
LD50 oral	5440 mg/kg
LD50 dermal rat	> 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))

2-Methyl-5-chloro-3-isothiazolone (26172-55-4)	
LD50 oral rat	66 mg/kg Source: NCIS
LD50 dermal rat	141 mg/kg Source: NCIS
LC50 Inhalation - Rat (Dust/Mist)	0.33 mg/l Source: NCIS

Magnesium chloride (7786-30-3)	
LD50 oral rat	> 5000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 15 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 15 day(s))

2-Methyl-4-isothiazolin-3-one hydrochloride (26172-54-3)	
LD50 oral rat	≈ 175 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)

Blocking agent	
LD50 oral rat	1200 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	1200 mg/kg
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))
LD50 dermal	200 mg/kg

Skin corrosion/irritation : Not classified
pH: 10

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Excipient	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Excipient	
Specific target organ toxicity – single exposure	May cause respiratory irritation.

Tris(hydroxymethyl)aminomethane (77-86-1)	
Specific target organ toxicity – single exposure	May cause respiratory irritation.

Magnesium nitrate (10377-60-3)	
Specific target organ toxicity – single exposure	Causes damage to organs.

Blocking agent	
Specific target organ toxicity – single exposure	May cause respiratory irritation.

Specific target organ toxicity – repeated exposure : Not classified

Tris(hydroxymethyl)aminomethane (77-86-1)	
LOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Magnesium nitrate (10377-60-3)	
NOAEL (oral,rat,90 days)	≥ 1500 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Magnesium chloride (7786-30-3)	
NOAEL (oral,rat,90 days)	> 1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Ecotoxicity

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.

Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38

Excipient	
LC50 - Fish [1]	316 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Read-across, Lethal)
LC50 - Fish [2]	316 mg/l Test organisms (species): Leuciscus idus
EC50 - Crustacea [1]	89 mg/l (EU Method, 48 h, Daphnia magna, Static system, Fresh water, Read-across, Locomotor effect)
EC50 72h - Algae [1]	43.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	43.8 mg/l (Equivalent or similar to OECD 201, Desmodesmus subspicatus, Static system, Fresh water, Read-across, Growth rate)
NOEC (chronic)	> 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 316 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d'
Partition coefficient n-octanol/water (Log Pow)	-4

Tris(hydroxymethyl)aminomethane (77-86-1)	
LC50 - Fish [1]	955.892 mg/l Source: Ecological Structure Activity Relationships
EC50 - Crustacea [1]	> 980 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	397 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	163.053 mg/l Source: Ecological Structure Activity Relationships

Tris(hydroxymethyl)aminomethane (77-86-1)	
ErC50 algae	397 mg/l (Equivalent or similar to OECD 201, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
Partition coefficient n-octanol/water (Log Pow)	-2.31 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.34 – 1.87 (log Koc, QSAR)

Magnesium nitrate (10377-60-3)	
LC50 - Fish [1]	> 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across, Lethal)
LC50 - Fish [2]	1378 mg/l Test organisms (species):
EC50 - Crustacea [1]	490 mg/l (48 h, Daphnia magna, Fresh water, Read-across)
EC50 - Other aquatic organisms [1]	490 mg/l Test organisms (species):
EC50 96h - Algae [1]	15032.612 mg/l Source: ECOSAR

2-Methyl-5-chloro-3-isothiazolone (26172-55-4)	
LC50 - Fish [1]	0.19 mg/l Source: NCIS
EC50 - Crustacea [1]	0.18 mg/l Source: NCIS
EC50 96h - Algae [1]	0.062 mg/l Source: NCIS
Partition coefficient n-octanol/water (Log Pow)	0.401 Source: NCIS

Magnesium chloride (7786-30-3)	
LC50 - Fish [1]	541 mg/l (US EPA, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Magnesium ion)
LC50 - Fish [2]	2119.3 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	140 mg/l Source: ECOTOX
EC50 72h - Algae [1]	2200 mg/l Source: ECOTOX
Partition coefficient n-octanol/water (Log Pow)	0.05 Source: Quantitative Structure Activity Relation

2-Methyl-4-isothiazolin-3-one hydrochloride (26172-54-3)	
EC50 - Crustacea [1]	2.33 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.289 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	8119.035 mg/l Source: ECOSAR

Blocking agent	
LC50 - Fish [1]	29 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	0.12 mg/l
EC50 - Other aquatic organisms [1]	11.1 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 120 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	53 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 96h - Algae [1]	1.2 mg/l Source: ECOTOX
ErC50 algae	> 120 mg/l (DIN 38412-9, 72 h, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

Blocking agent	
NOEC chronic fish	≥ 1.357 mg/l Test organisms (species): Pimephales promelas Duration: '42 d'
NOEC chronic crustacea	0.88 mg/l
Partition coefficient n-octanol/water (Log Pow)	≤ -2.03 (Calculated, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.5 – 2.7 (log Koc, Calculated value)

12.2. Persistence and degradability

Rapid Extraction Buffer, Type 8	
Persistence and degradability	Not rapidly degradable

Water (7732-18-5)	
Persistence and degradability	Not rapidly degradable

Excipient	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	0.12 g O_2/g substance

Tris(hydroxymethyl)aminomethane (77-86-1)	
Persistence and degradability	Readily biodegradable in water.

Magnesium nitrate (10377-60-3)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

2-Methyl-5-chloro-3-isothiazolone (26172-55-4)	
Persistence and degradability	Not rapidly degradable

Magnesium chloride (7786-30-3)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

2-Methyl-4-isothiazolin-3-one hydrochloride (26172-54-3)	
Persistence and degradability	Not rapidly degradable

Blocking agent	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

Rapid Extraction Buffer, Type 8	
Bioaccumulative potential	No additional information available

Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38

Excipient	
Partition coefficient n-octanol/water (Log Pow)	-4
Bioaccumulative potential	Bioaccumulation: not applicable.

Tris(hydroxymethyl)aminomethane (77-86-1)	
Partition coefficient n-octanol/water (Log Pow)	-2.31 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.34 – 1.87 (log Koc, QSAR)
Bioaccumulative potential	Not bioaccumulative.

Magnesium nitrate (10377-60-3)	
Bioaccumulative potential	No bioaccumulation data available.

2-Methyl-5-chloro-3-isothiazolone (26172-55-4)	
Partition coefficient n-octanol/water (Log Pow)	0.401 Source: NCIS

Magnesium chloride (7786-30-3)	
Partition coefficient n-octanol/water (Log Pow)	0.05 Source: Quantitative Structure Activity Relation
Bioaccumulative potential	Not bioaccumulative.

Blocking agent	
Partition coefficient n-octanol/water (Log Pow)	≤ -2.03 (Calculated, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.5 – 2.7 (log Koc, Calculated value)
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

Rapid Extraction Buffer, Type 8	
Mobility in soil	No additional information available

Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38

Excipient	
Partition coefficient n-octanol/water (Log Pow)	-4

Tris(hydroxymethyl)aminomethane (77-86-1)	
Partition coefficient n-octanol/water (Log Pow)	-2.31 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.34 – 1.87 (log Koc, QSAR)
Ecology - soil	Highly mobile in soil.

Magnesium nitrate (10377-60-3)	
Surface tension	No data available in the literature
Ecology - soil	No (test)data on mobility of the substance available.

2-Methyl-5-chloro-3-isothiazolone (26172-55-4)	
Partition coefficient n-octanol/water (Log Pow)	0.401 Source: NCIS

Magnesium chloride (7786-30-3)	
Partition coefficient n-octanol/water (Log Pow)	0.05 Source: Quantitative Structure Activity Relation
Ecology - soil	No (test)data on mobility of the substance available.

Blocking agent	
Surface tension	25.2 mN/m (23 °C, 1 g/l, EU Method A.5: Surface tension)
Partition coefficient n-octanol/water (Log Pow)	≤ -2.03 (Calculated, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.5 – 2.7 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

12.5. Other adverse effects

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

SECTION 13: Disposal considerations

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.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

UN RTDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

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

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Priority Chemical List (PCL) and Chemical Control Orders (CCO)		
Initial List of Single Substances and Compounds Covered under Chemical Control Order (CCO) and Priority Chemical List (PCL) DENR Administrative Order 2015-09	Not applicable	
Priority Chemical List DENR Administrative Order 2005-27	Not applicable	
Chemical Control Orders	Not applicable	
Chemical Control Order for Ozone Depleting Substances	Not applicable	

Others		
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Applicable	CRAON 17-502 (7732-18-5) Excipient 1,3-Propanediol, 2-amino-2-(hydroxymethyl)- (77-86-1) MAGNESIUM NITRATE (10377-60-3) 2-METHYL-5-CHLORO ISOTHIAZOLINONE (26172-55-4) MAGNESIUM CHLORIDE (7786-30-3) 2-METHYL-3(2H)-ISOTHIAZOLONE HYDROCHLORIDE (26172-54-3) Blocking agent
Controlled Chemical for Manufacture of Explosives or Explosives Ingredients Presidential Decree No.1866	Not applicable	
Comprehensive Dangerous Drugs Act of 2002	Not applicable	
Fertilizers and Pesticides Regulation (Decree No. 1144)	Not applicable	
Food Additives Regulation	Additives approved only for use as food processing	Magnesium chloride (7786-30-3)
Management of Hazardous Waste (Republic Act No. 6969)	Not applicable	
Philippines Clean Air Act	Not applicable	
High Volume Chemicals List	Applicable	Excipient Blocking agent

15.2. International regulations

No additional information available

SECTION 16: Other information

Version : 4.0
Issue date : 20/08/2025
Revision date : 23/06/2026
Supersedes : 22/06/2026

Safety Data Sheet (SDS), Philippines

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.