

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Metam Sodium

Version	Revision Date:	SDS Number:	Date of last issue:
4.15	07.07.2021	150000103619	06.04.2021
PRD		SDSEU / EN / 0001	Date of first issue: 03.12.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Metam Sodium

Product code : 51053-00, P510539A, P510536T, P510536Z, P510537I, P510531X, P510538I, P510535I, P510537X, P510531I, P510537U, P510539G, P510537W, P510537V, P510537F, P510538Z, P510537N, P510537K, P510537H, P510537J, C5105303, C5105301, P510537G, P510537M, P510537D, C5105304, P510537L, C5105308, P510537E, C5105302, C5105307, P510537P, P510537Q, P510538Y, P510539W, P510539M, P510534A, P510534K, P510535N, P510533V, P510533W, P5105311, P5105310, P5105312, P5105313, P5105360, P5105323, P5105320, P510531V, P510531U, P510531T, P510531Q, P510531L, P510531K, P510531H, P5105318, P5105316, P5105333, P510532Z, P510532Y, P510532P, P510532G, P510532C, P510532A, P5105326, P5105343, P5105358, P5105357, P5105356, P5105354, P5105352, P510533F, P510533E, P510533C, P510533B, P510533A, P5105339, P5105335, P5105389, P5105391, P5105394, P5105396, P5105388, P5105385, P5105382, P5105376, P5105374, P5105371, P5105370, P5105368, P5105366, P5105365, P5105362, C5105305, C5105306, P510538P, P510538M, P510538N, P510536Y, P510536X, P510538L, P510538K, P510539B, P510536U, P510536V, P510536R, P510536P, P510536S, P510536C, P510536K, P510536D, P510536N, P510536I, P510536E, P510538E, P510538B, P510538C, P510539Z, P510538T, P510538D, P510535S, P510535U

Unique Formula Identifier (UFI) : 4A8Q-EUA2-FX0M-YW3H

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Agrochemical (soil disinfectant)

Recommended restrictions on use : None known.

1.3 Details of the supplier of the safety data sheet

Company : Eastman Chemical Company
200 South Wilcox Drive
37660-5280 Kingsport

Telephone : +14232292000

E-mail address of person responsible for the SDS : Visit our website at www.EASTMAN.com or email emnmsds@eastman.com

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1.4 Emergency telephone

NCEC +44 (0)1235 239 670

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin corrosion, Category 1B	H314: Causes severe skin burns and eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Reproductive toxicity, Category 2	H361: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Short-term (acute) aquatic hazard, Category 1	H400: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard, Category 1	H410: Very toxic to aquatic life with long lasting effects.
Corrosive to Metals, Category 1	H290: May be corrosive to metals.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

Hazard Statements :

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.

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H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements : EUH031 Contact with acids liberates toxic gas.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary Statements : **Prevention:**

P201 Obtain special instructions before use.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position 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/ doctor.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

metam sodium

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
metam sodium	137-42-8 205-293-0 006-013-00-8	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Corr. 1B; H314 Skin Sens. 1; H317 Carc. 2; H351 Repr. 2; H361d STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 30 - < 50

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- If inhaled : Move to fresh air.
If breathing is difficult, give oxygen.
If not breathing, give artificial respiration.
Treat symptomatically.
If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and plenty of water.
Wash off immediately with plenty of water for at least 15 minutes.
Wash contaminated clothing before re-use.
In the case of skin irritation or allergic reactions see a physician.
- In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If easy to do, remove contact lens, if worn.
Call a physician or poison control center immediately.

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If swallowed : Seek medical advice.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Health injuries may be delayed.
Liver disorders
Kidney disorders
Rash
Redness
Use of alcoholic beverages may enhance toxic effects

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : General advice for dithiocarbamates
Biomonitoring possible at chronical exposure: determination of TTCA in the urine at the end of the workday/week.
Bloodtesting for delayed effects: liver tests, kidney function, thyroid function

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Dry chemical
Water spray

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous combustion products : Nitrogen oxides (NO_x)
Carbon oxides
Sulphur oxides

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

Further information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear appropriate personal protective equipment.

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Local authorities should be advised if significant spillages cannot be contained.

6.2 Environmental precautions

Environmental precautions : Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid inhalation of vapor or mist.
Do not get on skin or clothing.
Do not get in eyes.
Avoid contact with skin, eyes and clothing.
Do not swallow.
Ensure adequate ventilation.
Wash thoroughly after handling.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition. Take precautionary measures against static discharges.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in a well-ventilated place. Keep container tightly closed.
Keep out of reach of children.

7.3 Specific end use(s)

Specific use(s) : Agrochemical (soil disinfectant)

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

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8.2 Exposure controls

Engineering measures

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation.

Personal protective equipment

Eye protection : Wear safety glasses with side shields (or goggles).
Face-shield
Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded.

Hand protection

Remarks : Rubber gloves Neoprene gloves The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

Skin and body protection : Complete suit protecting against chemicals

Respiratory protection : Wear respiratory protection.

Filter type : Filter type ABEK-P

Protective measures : Remove respiratory and skin/eye protection only after vapors have been cleared from the area.
Ensure that eye flushing systems and safety showers are located close to the working place.
Use personal protective equipment as required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Color	: light yellow
Melting point/freezing point	: Not applicable
Boiling point/boiling range	: 97 - 102 °C
Flammability	: not auto-flammable
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined

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Flash point	:	> 97 °C
Autoignition temperature	:	> 400 °C
Decomposition temperature	:	
Decomposition temperature	:	155 °C
pH	:	7,5 - 10,5 Concentration: 510 g/l
Viscosity	:	
Viscosity, dynamic	:	4,7 mPa.s (20 °C) 2,8 mPa.s (40 °C)
Viscosity, kinematic	:	3,8 mm ² /s (20 °C) 2,3 mm ² /s (40 °C)
Solubility(ies)	:	
Water solubility	:	578,29 g/l (20 °C)
Partition coefficient: n-octanol/water	:	log Pow: <= -2,91
Vapor pressure	:	0,000575 hPa (25 °C)
Relative density	:	1,21 (20 °C)
Density	:	1,15 - 1,21 g/cm ³
Relative vapor density	:	not determined

9.2 Other information

Explosives	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Evaporation rate	:	not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

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Hazardous reactions : Corrosive in contact with metals
MITC vapour can be released during processing

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.
Take precautionary measures against static discharges.

10.5 Incompatible materials

Materials to avoid : Metals
Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Sulphur oxides
MITC vapour can be released during processing

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if swallowed.
Harmful if inhaled.

Product:

Acute oral toxicity : LD50 Oral (Rat): 896 mg/kg
Remarks: Harmful if swallowed.

Acute inhalation toxicity : LC50 (Rat): 2,54 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Remarks: Harmful if inhaled.

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg
Remarks: No significant adverse effects were reported

Components:

metam sodium:

Acute oral toxicity : LD50 (Rat): 896 mg/kg
Acute inhalation toxicity : LC50 (Rat): 2,54 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

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Skin corrosion/irritation

Causes severe burns.

Product:

Species	:	Rabbit
Result	:	Corrosive after 3 minutes to 1 hour of exposure

Remarks	:	Causes severe skin burns. May cause an allergic skin reaction.
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Components:

metam sodium:

Species	:	Rabbit
Result	:	Corrosive

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks	:	Causes serious eye damage.
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Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Product:

Species	:	Guinea pig
Result	:	Causes sensitization.

Components:

metam sodium:

Species	:	Guinea pig
Result	:	Causes sensitization.

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro	:	Remarks: In vitro tests did not show mutagenic effects
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Germ cell mutagenicity- Assessment	:	Did not show mutagenic effects in animal experiments.
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Components:

metam sodium:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

Carcinogenicity

Suspected of causing cancer.

Product:

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

Components:

metam sodium:

Remarks : Limited evidence of a carcinogenic effect.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Product:

Reproductive toxicity - Assessment : Possible risk of harm to the unborn child.

STOT-single exposure

Not classified based on available information.

Product:

Remarks : No data available

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Product:

Target Organs : Nasal inner lining, Kidney, Liver, Bladder

Components:

metam sodium:

Target Organs : Kidney, Nasal inner lining, Liver, Bladder

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

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11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Routes of exposure

Product:

Inhalation : Remarks: Harmful if inhaled.
May cause damage to organs through prolonged or repeated exposure.

Skin contact : Remarks: Causes skin burns.
Causes eye burns.
May cause an allergic skin reaction.

Eye contact : Remarks: Causes serious eye damage.

Ingestion : Remarks: Harmful if swallowed.

Further information

Product:

Remarks : None known.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Fish): 0,0785 - 108 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0,166 - 6,34 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 0,117 - 0,556 mg/l
Exposure time: 72 h

Toxicity to microorganisms : IC50 (Bacteria): 4,36 mg/l
Exposure time: 3 h

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Components:

metam sodium:

Toxicity to fish	:	LC50 (Fish): 0,0785 - 108 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 0,166 - 6,34 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	:	EC50 (Selenastrum capricornutum (green algae)): 0,117 - 0,556 mg/l Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	:	10
Toxicity to microorganisms	:	IC50 (Bacteria): 4,36 mg/l Exposure time: 3 h
M-Factor (Chronic aquatic toxicity)	:	10

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: Not readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

12.4 Mobility in soil

Product:

Distribution among environmental compartments : Koc: < 50

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to

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REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number or ID number

ADN	:	UN 3267
ADR	:	UN 3267
IMDG	:	UN 3267
IATA	:	UN 3267

14.2 UN proper shipping name

ADN	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (metam sodium)
ADR	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (metam sodium)
IMDG	:	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (metam sodium)
IATA	:	Corrosive liquid, basic, organic, n.o.s. (metam sodium)

14.3 Transport hazard class(es)

ADN	:	8
ADR	:	8
IMDG	:	8
IATA	:	8

14.4 Packing group

ADN	:	
Packing group	:	II
Classification Code	:	C7
Hazard Identification Number	:	80

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Labels : 8

ADR

Packing group : II
Classification Code : C7
Hazard Identification Number : 80
Labels : 8
Tunnel restriction code : (E)

IMDG

Packing group : II
Labels : 8
EmS Code : F-A, S-B

IATA (Cargo)

Packing instruction (cargo aircraft) : 855
Packing instruction (LQ) : Y840
Packing group : II
Labels : Corrosive

IATA (Passenger)

Packing instruction (passenger aircraft) : 851
Packing instruction (LQ) : Y840
Packing group : II
Labels : Corrosive

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Candidate List of Substances of Very High : Not applicable

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Concern for Authorization (Article 59).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E1 ENVIRONMENTAL HAZARDS

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Not applicable

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: On the inventory, or in compliance with the inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

None.

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SECTION 16: Other information

Full text of H-Statements

H302	: Harmful if swallowed.
H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H332	: Harmful if inhaled.
H351	: Suspected of causing cancer.
H361d	: Suspected of damaging the unborn child.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
EUH031	: Contact with acids liberates toxic gas.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Carc.	: Carcinogenicity
Repr.	: Reproductive toxicity
Skin Corr.	: Skin corrosion
Skin Sens.	: Skin sensitization
STOT RE	: Specific target organ toxicity - repeated exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Metam Sodium

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Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Acute Tox. 4	H302
Acute Tox. 4	H332
Skin Corr. 1B	H314
Skin Sens. 1	H317
Carc. 2	H351
Repr. 2	H361
STOT RE 2	H373
Aquatic Acute 1	H400
Aquatic Chronic 1	H410
Met. Corr. 1	H290

Classification procedure:

On basis of test data.
On basis of test data.
On basis of test data.
Calculation method
On basis of test data.
Calculation method
Calculation method
On basis of test data.
Calculation method
On basis of test data.

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