



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

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

1.1 Product identifier

Trade name

TM DESANA MAX CL

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

Relevant identified uses

biocidal product
cleaning agent
professional use (SU22)
industrial use (SU3)

Uses advised against

do not use for squirting or spraying
do not use for products which come into direct contact with the skin

HS code

Halogenierte Desinfektionsmittel 38089420.

1.3 Details of the supplier of the safety data sheet

AFCO Austria: Thonhauser GmbH
Perlhofgasse 2/1
2372 Giesshübl
Austria

Telephone: +43 (0)2236 320 272
e-mail: QA@thonhauser.net
Website: www.afco.eu

Additional information

Manufacturer					
Country	Name	Postal code/city	Telephone	e-Mail	website
Austria	Thonhauser GmbH	2372 Giesshübl	+43 2236 320 272	Cleaning@thonhauser.net	www.afco.eu

e-mail (competent person)

QA@thonhauser.net

1.4 Emergency telephone number

Manufacturer

+43 (2236) 320 272
Mon - Thu 08:00 - 16:30, Fri 08:00 - 12:30

Poison center & Emergency information service

United States	Chemtrec Emergency Customer #CCN837	1-800-424-9300 (24h)
---------------	-------------------------------------	----------------------

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
2.14	Oxidizing solid	3	Ox. Sol. 3	H272
2.16	Substance or mixture corrosive to metals	1	Met. Corr. 1	H290
3.2	Skin corrosion/irritation	1A	Skin Corr. 1A	H314



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
4.1C	Hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

For full text of H-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labeling

- Signal word danger

- Pictograms

GHS03, GHS05,
GHS09



- Hazard statements

H272 May intensify fire; oxidiser.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H411 Toxic to aquatic life with long lasting effects.

- Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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/physician.
P321 Specific treatment (see on this label).
P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher for extinction.
P501 Dispose of contents/container to industrial combustion plant.

- Hazardous ingredients for labelling sodium hydroxide

2.3 Other hazards

Corrosive to the respiratory tract.

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

3.2 Mixtures

Description of the mixture

Name of sub-stance	Identifier	Conc.	Classification acc. to GHS	Pictograms	M-Factors
Sodium hydroxide	CAS No 1310-73-2 EC No 215-185-5	50 – < 75 wt%	Met. Corr. 1 / H290 Skin Corr. 1A / H314 Eye Dam. 1 / H318		
Troclosene sodium	CAS No 2893-78-9 EC No 220-767-7	5 – < 12 wt%	Ox. Sol. 2 / H272 Acute Tox. 4 / H302 Acute Tox. 2 / H330 Eye Irrit. 2 / H319 STOT SE 3 / H335 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		
Sodium perman-ganate	CAS No 10101-50-5 EC No 233-251-1	< 1 wt%	Ox. Sol. 2 / H272 Acute Tox. 4 / H302 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		M-Factor (acute) = 10

Hazardous ingredients, Specific Conc. Limits, M-factors, ATE

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Sodium hydroxide	Skin Corr. 1A; H314: $C \geq 5\%$ Skin Corr. 1B; H314: $2\% \leq C < 5\%$ Skin Irrit. 2; H315: $0.5\% \leq C < 2\%$ Eye Dam. 1; H318: $C \geq 2\%$ Eye Irrit. 2; H319: $0.5\% \leq C < 2\%$	-	-	
Troclosene sodium	STOT SE 3; H335: $C \geq 10\%$	-	1,823 mg/kg 0.27 mg/l/4h	Oral inhalation: dust/mist
Sodium permanganate	-	M-Factor (acute) = 10	500 mg/kg	Oral

Remarks

for full text of abbreviations: see SECTION 16

Regulation 528/2012/EU concerning the making available on the market and use of biocidal products

Biocidal active substances

Name of substance	w/w	unit
Troclosene sodium	99	g/kg

SECTION 4: First aid measures

4.1 Description of first aid measures





Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Ideally, use the PREVIN® solution as the first rinse. Use all of the content. If the PREVIN® solution is not immediately available, rinse with water first and then as soon as possible with the PREVIN® solution.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water, foam, alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Oxidizing property. Substance or mixture corrosive to metals.

Hazardous combustion products

nitrogen oxides (NO_x), phosphorus oxides (P_xO_y), hydrogen chloride (HCl)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

covering of drains, take up mechanically



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Advice on how to clean up a spill

Take up mechanically. Absorbents and binders, neutralizing agents.

Appropriate containment techniques

Neutralization techniques.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area. Avoid mixing with flammable or combustible substances (e.g. sawdust).

6.4 Reference to other sections

Hazardous combustion products: see section 5. Incompatible substances or mixtures: see section 7. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

The product is sold as single-dose units, so handling and risk is reduced. Use general precautions for handling of chemical products. .

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Never add water to this product. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

- Handling of incompatible substances or mixtures

Do not mix with acids.

- Keep away from

organic absorbing material, pulp/paper, acids

- Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

- Corrosive conditions

Store in corrosive resistant container with a resistant inner liner.

- Flammability hazards

Keep reduction valves/valves and fittings free from oil and grease.

- Incompatible substances or mixtures

Prohibition of joint storage (with): acids,
Keep/store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles.

- Floors

The materials shall display sufficient resistance to the prevalent chemical conditions (Caustic solutions).

- Protect against external exposure, such as

heat, frost, sunlight, direct light irradiation

- Consideration of other advice

Observe technical data sheet.

- Ventilation requirements

Use local and general ventilation.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

- Specific designs for storage rooms or vessels

Floors: The materials shall display sufficient resistance to the prevalent chemical conditions (Caustic solutions).

- Packaging compatibilities (Receptacles / Material)

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

These information are not available.

7.4 Other information

recommended storage temperature: 0 - 30 °C

Keep container tightly closed.

Store in a dry place.

Protect from moisture.

Do not allow contact with water.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
US	Particulates not otherwise classified (PNOC)		PEL		15					Dust	29 CFR 1910.1000
US	Particulates not otherwise classified (PNOC)		PEL	1,765						Partm l, dust	29 CFR 1910.1000
US	Particulates not otherwise classified (PNOC)		PEL	529.5						Partm l, r, dust	29 CFR 1910.1000
US	Particulates not otherwise classified (PNOC)		PEL		5					R	29 CFR 1910.1000
US	Sodium hydroxide	1310-73-2	PEL		2						29 CFR 1910.1000

Notation

Ceiling-C Ceiling value is a limit value above which exposure should not occur.

dust As dust.

partml Particles/ml.

r Respirable fraction.

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified).

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified).



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components						
Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Sodium hydroxide	1310-73-2	DNEL	1 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - local effects
Sodium permanganate	10101-50-5	DNEL	0.05 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - systemic effects
Sodium permanganate	10101-50-5	DNEL	0.05 mg/m ³	Human, inhalatory	Worker (industry)	Acute - systemic effects

Relevant PNECs of components						
Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Sodium permanganate	10101-50-5	PNEC	0 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Sodium permanganate	10101-50-5	PNEC	0 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
Sodium permanganate	10101-50-5	PNEC	1.64 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)

8.2 Exposure controls

Note the following information: Personal precautions, protective equipment and emergency procedures. Keep away from. Food, drink and animal feedingstuffs. Take off immediately all contaminated clothing. Wash hands thoroughly after handling.

Recommended safety measures for handling undiluted product:

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)



Eye/face protection

Wear eye/face protection. Use safety goggle with side protection. Use protective eyewear to guard against splash of liquids. EN 166.

Skin protection

- Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Protective gloves

Recommended protective gloves (trademark/manufacturer):



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. Acid-resistant, acid-proof overalls or apron. Acid-proof, acid-resistant boots or safety shoes.

Chemical protective clothing

Wear suitable protective clothing. Chemical protection suit.

Respiratory protection

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases. In case of inadequate ventilation wear respiratory protection. Combination filtering device (EN 141). Powered filtering device (EN 147). Particulate filter device (EN 143). Self-contained breathing apparatus (EN 133). Full face mask/half mask/quarter mask (EN 136/140). Filtering half mask (EN 149).

Environmental exposure controls

Avoid release to the environment. Refer to special instructions/safety data sheets. Before discharge of the waste water into a municipal waste water treatment facility the product normally needs to be neutralized.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 0,8 - 1,6 %

Appropriate engineering controls

Exhaust ventilation. General ventilation. Open windows, door, to allow sufficient ventilation. If this is not possible employ a fan to increase air exchange.

Individual protection measures (personal protective equipment)



Eye/face protection

Wear eye/face protection. EN 166.

Skin protection

- Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Protective gloves - Splash protection

Recommended protective gloves (trademark/manufacturer):

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. Acid-resistant, acid-proof overalls or apron. Acid-proof, acid-resistant boots or safety shoes.

Respiratory protection

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases. In case of inadequate ventilation wear respiratory protection. Combination filtering device (EN 141). Particulate filter device (EN 143). Self-contained breathing apparatus (EN 133). Full face mask/half mask/quarter mask (EN 136/140). Filtering half mask (EN 149).

Chemical protective clothing

Wear suitable protective clothing.

Eye/face protection

Wear eye/face protection. Use protective eyewear to guard against splash of liquids. EN 166.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Skin protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

No special requirements under normal use conditions. Wear breathing apparatus if exposed to vapors/dust/aerosols/gases. In case of inadequate ventilation wear respiratory protection. Combination filtering device (EN 141). Particulate filter device (EN 143).

Chemical protective clothing

No special requirements under normal use conditions. Wear suitable protective clothing.

Environmental exposure controls

No special requirements under normal use conditions. Before discharge of the waste water into a municipal waste water treatment facility the product normally needs to be neutralized.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid (powder)
Color	pink - grey
Odor	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
Flammability	non-combustible
Lower and upper explosion limit	not relevant (solid)
Flash point	not applicable
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	12.3 – 13.3 (in aqueous solution: 10 g/l, 20 °C) * (alkaline)
Kinematic viscosity	not relevant
Solubility(ies)	not determined

Partition coefficient

n-octanol/water (log KOW)	not relevant (inorganic)
---------------------------	--------------------------



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Vapor pressure	<0.06 Pa at 20 °C
----------------	-------------------

Density and/or relative density

Density	not determined
Relative vapour density	not relevant (solid)
Bulk density	1.1 – 1.2 g/cm ³

Particle characteristics	no data available
--------------------------	-------------------

9.2 Other information

Information with regard to physical hazard classes

there is no additional information

Other safety characteristics

Solid content 100 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Oxidizing property. Substance or mixture corrosive to metals.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

Exhibits an exothermic reaction (with): acids
Dangerous/dangerous reactions with: base metals (formation of hydrogen)

10.4 Conditions to avoid

Keep away from heat. UV-radiation/sunlight.

10.5 Incompatible materials

combustible materials

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

- Acute toxicity estimate (ATE)

Inhalation: dust/mist 2.727 mg/l/4h.

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Troclosene sodium	2893-78-9	Oral	1,823 mg/kg
Troclosene sodium	2893-78-9	Inhalation: dust/mist	0.27 mg/l/4h
Sodium permanganate	10101-50-5	Oral	500 mg/kg

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Other information

Corrosive to the respiratory tract.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium permanganate	10101-50-5	LC50	0.7 mg/l	Fish	48 h
Sodium permanganate	10101-50-5	EC50	0.06 mg/l	Aquatic invertebrates	48 h
Sodium permanganate	10101-50-5	ErC50	0.8 mg/l	Algae	72 h



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Aquatic toxicity (chronic) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium permanganate	10101-50-5	LC50	1.51 mg/l	Fish	24 h
Sodium permanganate	10101-50-5	EC50	0.15 mg/l	Aquatic invertebrates	24 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Recycling/reclamation of other inorganic materials.

Sewage disposal-relevant information

The application solution can be disposed in the sewage system, taking into account technical and national regulations.

Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

DOT	UN 3262
IMDG-Code	UN 3262
ICAO-TI	UN 3262

14.2 UN proper shipping name

DOT	Corrosive solid, basic, inorganic, n.o.s.
IMDG-Code	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
ICAO-TI	Corrosive solid, basic, inorganic, n.o.s.
Technical name (hazardous ingredients)	sodium hydroxide, troclosene sodium



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

14.3 Transport hazard class(es)

DOT	8
IMDG-Code	8
ICAO-TI	8

14.4 Packing group

DOT	II
IMDG-Code	II
ICAO-TI	II

14.5 Environmental hazards

hazardous to the aquatic environment (troclosene sodium)

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration

UN3262, Corrosive solid, basic, inorganic, n.o.s.,
(contains: sodium hydroxide, troclosene sodium), 8, II,
environmentally hazardous

Danger label(s)

8, fish and tree



Environmental hazards

yes (hazardous to the aquatic environment)

Special provisions (SP)

IB8, IP2, IP4, T3, TP33

ERG No

154

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant

yes (hazardous to the aquatic environment) (troclosene sodium)

Danger label(s)

8, fish and tree



Special provisions (SP)

274

Excepted quantities (EQ)

E2

Limited quantities (LQ)

1 kg

EmS

F-A, S-B

Stowage category

B

Segregation group

18 - Alkalis



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards

yes (hazardous to the aquatic environment)

Danger label(s)

8



Special provisions (SP)

A3

Excepted quantities (EQ)

E2

Limited quantities (LQ)

5 kg

SECTION 15: Regulatory information

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

Industry or sector specific available guidance(s)

NPCA-HMIS® III

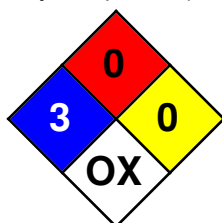
Hazardous Materials Identification System. American Coatings Association.

HEALTH	*	3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		-

Category	Rating	Description
Chronic	*	Chronic (long-term) health effects may result from repeated overexposure
Health	3	Major injury likely unless prompt action is taken and medical treatment is given
Flammability	0	Material that will not burn under typical fire conditions
Physical hazard	0	Material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).



Category	Degree of hazard	Description
Flammability	0	Material that will not burn under typical fire conditions



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Category	Degree of hazard	Description
Health	3	Material that, under emergency conditions, can cause serious or permanent injury
Instability	0	Material that is normally stable, even under fire conditions
Special hazard	OX	Oxidizer that causes a severe increase in the burning rate of combustible materials with which it comes into contact

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR 1910.1000	29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
49 CFR US DOT	49 CFR U.S. Department of Transportation
Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
ERG No	Emergency Response Guidebook - Number
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HS	Harmonized Commodity Description and Coding System (Harmonized System, drawn up by the World Customs Organisation)
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Abbr.	Descriptions of used abbreviations
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
Met. Corr.	Substance or mixture corrosive to metals
M-Factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
Ox. Sol.	Oxidizing solid
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible exposure limit
PNEC	Predicted No-Effect Concentration
Ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
VPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

TM DESANA MAX CL

Version number: GHS 6.1
Replaces version of: 2024-06-24 (GHS 5)

Revision: 2024-12-02

Code	Text
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.