

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
**TM SUPROSAN DA**

Version number: GHS 1.0

Date of compilation: 2018-10-09

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

### 1.1 Product identifier

Trade name **TM SUPROSAN DA**  
Registration number (REACH) not relevant (mixture)

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

Relevant identified uses biocidal product  
professional use (SU2)  
industrial use (SU3)  
Uses advised against do not use for products which come into direct contact with the skin

### 1.3 Details of the supplier of the safety data sheet

Thonhauser GmbH  
Perlhofgasse 2/1  
2372 Giesshübl/Wien  
Austria

Telephone: +43 (0)2236 320 272  
Telefax: +43 (0)2236 320 273  
e-mail: QA@thonhauser.net  
Website: www.thonhauser.net

e-mail (competent person) QA@thonhauser.net (Herr Dr. Daniel Herzog)

### 1.4 Emergency telephone number

Manufacturer **+43 699 141 80 200**  
Mon - Thu 07:00 - 15:00, Fri 07:00 - 13:00

Poison centre & Emergency information service

United Kingdom	CHEMTREC UK 24/7 CCN 819393	+44 870 8200418
----------------	--------------------------------	-----------------

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
3.2	Skin corrosion/irritation	1B	Skin Corr. 1B	H314
3.3	Serious eye damage/eye irritation	1	Eye Dam. 1	H318
4.1A	Hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400
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

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word **danger**

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
**TM SUPROSAN DA**

Version number: GHS 1.0

Date of compilation: 2018-10-09

## - Pictograms

GHS05, GHS09



## - Hazard statements

H314 Causes severe skin burns and eye damage.  
H410 Very toxic to aquatic life with long lasting effects.

## - Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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 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/doctor.  
P391 Collect spillage.  
P501 Dispose of contents/container to industrial combustion plant.

## - Hazardous ingredients for labelling

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine,  
Isotridecanol, ethoxylated

## 2.3 Other hazards

This material is combustible, but will not ignite readily.

## Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.




## SECTION 3: Composition/information on ingredients

### 3.1 Substances

not relevant (mixture)

### 3.2 Mixtures

#### Description of the mixture

Name of substance	Identifier	Conc.	Classification acc. to GHS	Pictograms	M-Factors
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No 68891-38-3 EC No 500-234-8	25 – < 50 wt%	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412		
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	CAS No 2372-82-9 EC No 219-145-8	5 – < 10 wt%	Acute Tox. 3 / H301 Skin Corr. 1B / H314 Eye Dam. 1 / H318 STOT RE 2 / H373 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		M-Factor (acute) = 10.0
Isotridecanol, ethoxylated	CAS No 69011-36-5 EC No 500-241-6	1 – < 5 wt%	Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412		

For full text of abbreviations: see SECTION 16.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## TM SUPROSAN DA

Version number: GHS 1.0

Date of compilation: 2018-10-09

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

Biocidal active substances			
Name of substance	Wt%	w/w	unit
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	6.75 %	67.5	g/kg

## SECTION 4: First aid measures

### 4.1 Description of first aid measures



#### 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

Wash with plenty of soap and water.

#### 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.

#### 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 spray, alcohol resistant foam, BC-powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

water jet

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## TM SUPROSAN DA

Version number: GHS 1.0

Date of compilation: 2018-10-09

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate 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 vapours/dust/spray/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

#### Advices on how to contain a spill

covering of drains

#### Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder, Absorbents and binders, neutralising agents.

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 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

#### Recommendations

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

Use local and general ventilation. Use only in well-ventilated areas.

#### - 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

#### - Floors

The materials shall display sufficient resistance to the prevalent chemical conditions

#### - Protect against external exposure, such as

frost

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
**TM SUPROSAN DA**

Version number: GHS 1.0

Date of compilation: 2018-10-09

## - Consideration of other advice

Observe technical data sheet.

Lagerklasse (storage class according to TRGS 510, Germany): 8 A (combustible corrosive materials)

## - Packaging compatibilities (Receptacles / Material)

Only packagings which are approved (e.g. acc. to ADR) may be used.

## 7.3 Specific end use(s)

These information are not available.

## 7.4 Other information

recommended storage temperature: 5 - 20 °C

## Incompatible materials

### Incompatible materials

Suitable for hard washable surfaces. As surfaces vary in quality the product suitability should be checked by testing first on a small inconspicuous area. Aluminium, linoleum, acrylic glass or surfaces coated with polymers could be affected depending on the use concentration. Plasticized PVC could be discoloured. Usage of disinfectant in addition to common rinse procedures is advised.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### National limit values

This information is not available.

#### Relevant DNELs/DMELs/PNECs and other threshold levels

##### Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	2,750 mg/kg	Human, dermal	Worker (industry)	Chronic - systemic effects
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	175 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	DNEL	2.35 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	DNEL	0.91 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
Isotridecanol, ethoxylated	69011-36-5	DNEL	2,080 mg/kg	Human, dermal	Worker (industry)	Chronic - systemic effects
Isotridecanol, ethoxylated	69011-36-5	DNEL	294 mg/m <sup>3</sup>	Human, inhalatory	Worker (industry)	Chronic - systemic effects

##### Relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.24 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	10 <sup>9</sup> /l	Microorganisms	Sewage treatment plant (STP)	Short-term (single instance)

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## TM SUPROSAN DA

Version number: GHS 1.0

Date of compilation: 2018-10-09

Relevant PNECs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	5.45 mg/kg	Benthic organisms	Sediments	Short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.545 mg/kg	Pelagic organisms	Sediments	Short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.946 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.071 mg/l	Aquatic organisms	Water	Intermittent release
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.024 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	PNEC	0.00015 mg/l	Aquatic organisms	Water	Intermittent release
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	PNEC	0.001 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	PNEC	0 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	PNEC	1.33 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	PNEC	8.5 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	PNEC	0.85 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	PNEC	45.34 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0.074 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0.0074 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	1.4 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0.604 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0.0604 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0.1 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
Isotridecanol, ethoxylated	69011-36-5	PNEC	0.015 mg/l	Aquatic organisms	Water	Intermittent release

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
**TM SUPROSAN DA**

Version number: GHS 1.0

Date of compilation: 2018-10-09

## 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 - Splash protection

Recommended protective gloves (trademark/manufacturer): UVEX u-chem UVEX u-fit,

#### - Other protection measures

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

### Respiratory protection

Wear breathing apparatus if exposed to vapours/dust/spray/gases. In case of inadequate ventilation wear respiratory protection. Combination filtering device (EN 141). P2 (filters at least 94 % of airborne particles, colour code: White).

### Chemical protective clothing

Wear suitable protective clothing.

### 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 neutralised.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	liquid
Colour	colourless - light yellow
Odour	like ammonia

#### Other safety parameters

pH (value)	10 (water: 20 g/l, 20 °C) * 100%
Melting point/freezing point	-11.6 °C at 101 kPa
Initial boiling point and boiling range	100 °C
Flash point	>65 °C at 101,325 Pa
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)
Explosive limits	not determined
Vapour pressure	32 hPa at 25 °C
Density	1 – 1.03 g/cm <sup>3</sup> at 20 °C

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
**TM SUPROSAN DA**

Version number: GHS 1.0

Date of compilation: 2018-10-09

Vapour density	this information is not available
Solubility(ies)	not determined
Partition coefficient	
- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	250 °C
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

## 9.2 Other information

Surface tension	27 – 32 mN <sub>m</sub> (20 °C)
Solvent content	70.13 %
Solid content	29.87 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

### 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 according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4:

Acute toxicity estimate (ATE) of components of the mixture			
Name of substance	CAS No	Exposure route	ATE
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	Oral	261 mg/kg

##### Skin corrosion/irritation

Causes severe skin burns and eye damage.

##### Serious eye damage/eye irritation

Causes serious eye damage.



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## TM SUPROSAN DA

Version number: GHS 1.0

Date of compilation: 2018-10-09

### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

### 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.

## SECTION 12: Ecological information

### 12.1 Toxicity

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

#### Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	LC50	7.1 mg/l	Fish	96 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	EC50	7.2 mg/l	Aquatic invertebrates	48 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	ErC50	27 mg/l	Algae	72 h
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	LC50	0.431 mg/l	Fish	96 h
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	EC50	0.077 mg/l	Aquatic invertebrates	48 h

#### Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	EC50	>10 g/l	Microorganisms	16 h
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	EC50	0.034 mg/l	Aquatic invertebrates	21 d

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## TM SUPROSAN DA

Version number: GHS 1.0

Date of compilation: 2018-10-09

### 12.2 Persistence and degradability

Degradability of components of the mixture						
Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DOC removal	100 %	28 d		
Isotridecanol, ethoxylated	69011-36-5	DOC removal	82 %	28 d		ECHA

### 12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3		0.3 (pH value: 6.1, 23 °C)	
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2372-82-9	3.16	0.34 (20 °C)	
Isotridecanol, ethoxylated	69011-36-5		4.9	

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Relevant provisions relating to waste

#### Properties of waste which render it hazardous

- HP 4 Irritant - skin irritation and eye damage.
- HP 6 Acute toxicity.
- HP 8 Corrosive.
- HP 14 Ecotoxic.

#### List of wastes

#### Waste catalogue ordinance (Germany)

Assign arising waste to a waste code according to the national list of waste

#### - Product

20 01 29x Detergents containing dangerous substances.

#### - Product residues

15 01 10x Packaging containing residues of or contaminated by dangerous substances.

#### - Packagings

15 01 02 Plastic packaging.

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
**TM SUPROSAN DA**

Version number: GHS 1.0

Date of compilation: 2018-10-09

## 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.

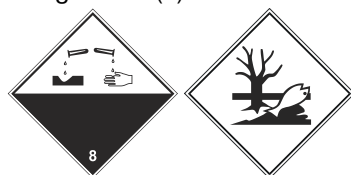
## SECTION 14: Transport information

<b>14.1 UN number</b>	1903
<b>14.2 UN proper shipping name</b>	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
<b>Technical name</b> (hazardous ingredients)	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
<b>14.3 Transport hazard class(es)</b>	
<b>Class</b>	8 (corrosive substances)
<b>14.4 Packing group</b>	III (substance presenting low danger)
<b>14.5 Environmental hazards</b>	hazardous to the aquatic environment (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine)
<b>14.6 Special precautions for user</b>	Provisions for dangerous goods (ADR) should be complied within the premises.
<b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b>	The cargo is not intended to be carried in bulk.

### Information for each of the UN Model Regulations

#### transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN number	1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
Class	8
Classification code	C9
Packing group	III
Danger label(s)	8, fish and tree



Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	E
Hazard identification No	80
Emergency Action Code	2X

#### International Maritime Dangerous Goods Code (IMDG)

UN number	1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
Class	8

# Safety Data Sheet

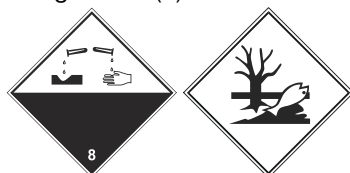
according to Regulation (EC) No. 1907/2006 (REACH)

## TM SUPROSAN DA

Version number: GHS 1.0

Date of compilation: 2018-10-09

Marine pollutant yes (hazardous to the aquatic environment)  
 Packing group III  
 Danger label(s) 8, fish and tree



Special provisions (SP) 223, 274  
 Excepted quantities (EQ) E1  
 Limited quantities (LQ) 5 L  
 EmS F-A, S-B  
 Stowage category A

**International Civil Aviation Organization (ICAO-IATA/DGR)**

UN number 1903  
 Proper shipping name Disinfectant, liquid, corrosive, n.o.s.  
 Class 8  
 Environmental hazards yes (hazardous to the aquatic environment)  
 Packing group III  
 Danger label(s) 8



Special provisions (SP) A3  
 Excepted quantities (EQ) E1  
 Limited quantities (LQ) 1 L

### SECTION 15: Regulatory information

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

**Relevant provisions of the European Union (EU)**

**Deco-Paint Directive (2004/42/EC)**

VOC content 0 %

**Directive on industrial emissions (VOCs, 2010/75/EU)**

VOC content 0 %

**Regulation 648/2004/EC on detergents**

Labelling of contents	
Constituents	Weight % content (or range)
Anionic surfactants	15 % or over but less than 30 %
Non-ionic surfactants	Less than 5 %

**15.2 Chemical Safety Assessment**

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

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)  
**TM SUPROSAN DA**

Version number: GHS 1.0

Date of compilation: 2018-10-09

## SECTION 16: Other information

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
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)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
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
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
Log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
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
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

## TM SUPROSAN DA

Version number: GHS 1.0

Date of compilation: 2018-10-09

Abbr.	Descriptions of used abbreviations
Skin Irrit.	Irritant to skin
STOT RE	Specific target organ toxicity - repeated exposure
TRGS	Technische Regeln für GefahrStoffe (technical rules for hazardous substances, Germany)
VOC	Volatile Organic Compounds
VPvB	Very Persistent and very Bioaccumulative

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). 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 chapter 2 and 3)

Code	Text
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
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.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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.