

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

CONTEC CLEAN STAR

Creation date	21st July 2003	Version	5.1
Revision date	12th July 2019		

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

- 1.1. Product identifier**
Substance / mixture
Number
- CONTEC CLEAN STAR
mixture
0.356.904/3
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Mixture uses advised against
- metal cleaner and degreaser
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
- Distributor**
Name or trade name
Address
VAT Reg No
Phone
E-mail
Web address
- Hermann Hartje KG
Deichstraße 120-122, Hoya/Waser, 27318
Germany
DE116162847
0049/4251/811-20
rene.preuss@hartje.de
www.hartje.de
- Manufacturer**
Name or trade name
Address
Identification number (CRN)
VAT Reg No
Phone
E-mail
Web address
- Nacházel, s.r.o.
Průmyslová 11/1472, Praha 10 - Hostivař, 10219
Czech Republic
25734458
CZ25734458
222 351 140
maziva@nachazel.cz
www.nachazel.cz
- Competent person responsible for the safety data sheet**
Name
E-mail
- Nacházel, s.r.o.
maziva@nachazel.cz
- 1.4. Emergency telephone number**
National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111
112



SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Aerosol 1, H222, H229
Asp. Tox. 1, H304
STOT SE 3, H336
Aquatic Chronic 2, H411

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

Most serious adverse effects on human health and the environment

Toxic to aquatic life with long lasting effects.

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2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Hydrocarbons, C8-C9, isoalkanes

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P501 Dispose of container to as hazardous waste.

Supplemental information

EUH 066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Note: The calculation method took into account the requirements of the CLP Regulation for the classification of aerosols in accordance with section 1.1.3.7 of Annex I, Part 1 of the CLP Regulation, ie an aerosol mixture is assigned to the same hazard category as a non-aerosol mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below. Note on stated concentration ranges: the stated values cover the concentrations of the substances in the liquid and in the aerosol (the concentration of the propellant components corresponds to the content of these substances in the liquid / gas mixture).

The classification calculations are based on the upper values of the stated concentration ranges.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
EC: 931-254-9 Registration number: 01-2119484651-34	Hydrocarbons, C6, isoalkenes, <5% n-hexane	30-75	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH 066	

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
EC: 932-020-9 Registration number: 01-2119548395-31	Hydrocarbons, C8-C9, isoalkanes	10-30	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH 066	
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25	isopropanol	1-5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	1

Notes

1 Substance for which exposure limits of Community for working environment exist.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting.

If inhaled

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Wash with plenty of soap and water.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

If swallowed

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Ensure medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate. Aerosol products are not expected to be ingested.

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

If inhaled

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Inhaling vapours can cause corrosion of the breathing system.

If on skin

Repeated exposure may cause skin dryness or cracking.

If in eyes

When intruding eyes, it can evoke irritation. Temporary feeling of burning and redness.

If swallowed

Symptoms of poisoning may manifest after many hours, medical supervision is necessary for 48 hours after the accident. Disorder of digestive system, stomach pain, vomiting, diarrhoea. Aerosol is not expected.

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

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols.

6.2. Environmental precautions

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Store locked up. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C.

Storage class 2B - Aerosols
Content 200ml
Packaging type spray
Material of package FE (40), Steel (Metals)



FE

Storage temperature min 0 °C, max 40 °C

The specific requirements or rules relating to the substance/mixture

Store in tightly closed containers in a cool, dry place intended for this purpose. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

United Kingdom of Great Britain and Northern Ireland

Substance name (component)	Type	Time of exposure	Value	Note	Source
isopropanol (CAS: 67-63-0)	WEL	8 hours	999 mg/m ³		Gestis
	WEL	Short-term	1250 mg/m ³		
	WEL	8 hours	400 ppm		
	WEL	Short-term	500 ppm		

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DNEL

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	13964 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	5306 mg/m ³	Systemic chronic effects	
Consumers	Dermal	1377 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	1131 mg/kg	Systemic chronic effects	
Consumers	Oral	1301 mg/kg bw/day	Systemic chronic effects	

Hydrocarbons, C8-C9, isoalkanes

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	773 mg/kg bw/day		
Workers	Inhalation	2035 mg/m ³		
Consumers	Dermal	699 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	608 mg/m ³	Systemic chronic effects	
Consumers	Oral	699 mg/kg bw/day	Systemic chronic effects	

isopropanol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Oral	26 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	888 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	500 mg/m ³	Systemic chronic effects	
Consumers	Dermal	319 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	89 mg/m ³	Systemic chronic effects	

PNEC

isopropanol

Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	2251 mg/l	
Freshwater sediment	552 mg/kg	
Sea sediments	552 mg/kg	
Soil (agricultural)	28 mg/kg	
Seawater	140.9 mg/l	
Freshwater environment	140.9 mg/l	

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

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Respiratory protection

Respirator.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	spray
Physical state	liquid at 20°C
color	data not available
Odour	after solvents
Odour threshold	data not available
pH	data not available
Melting point/freezing point	data not available
Initial boiling point and boiling range	51-61 °C (hydrocarbons C6)
Flash point	-35 °C (propellant)
Evaporation rate	data not available
Flammability (solid, gas)	Extremely flammable aerosol.
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	hydrocarbons C8-C9
bottom	0.7 %
upper	7 %
Vapour pressure	<10 hPa at 20°C
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	insoluble
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	>230 °C
Decomposition temperature	data not available
Viscosity	0.95 mm ² /s at 25°C
Explosive properties	Vapours mixed up with air can be explosive.
Oxidising properties	data not available
Data not available.	

9.2. Other information

Density	0.63 g/cm ³ at 20°C (including propellant)
ignition temperature	data not available
content of organic solvents (VOC)	1 kg/kg
solid content (dry matter)	0 % volume
Data not available.	

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable and no degradation occurs under normal use.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Protect against strong acids, bases and oxidizing agents.

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10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. Pressurised container: May burst if heated.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

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Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD ₅₀		>2000 mg/kg		Rat	
Dermal	LD ₅₀		>2000 mg/kg		Rat	
Inhalation	LC ₅₀		>20 mg/kg	4 hour	Rat	

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	OECD 401	16750 mg/kg bw		Rat (<i>Rattus norvegicus</i>)	
Dermal	LD ₅₀	OECD 402	3350 mg/kg bw	4 hour	Rabbit	
Inhalation (vapor)	LC ₅₀	OECD 403	259354 mg/m ³	4 hour	Rat (<i>Rattus norvegicus</i>)	
Oral	LD ₅₀		>5000 mg/kg		Rat (<i>Rattus norvegicus</i>)	
Dermal	LD ₅₀		>3000 mg/kg		Rat (<i>Rattus norvegicus</i>)	
Inhalation (vapor)	LC ₅₀		>20 mg/l	4 hour	Rat (<i>Rattus norvegicus</i>)	
	Log Pow		4			
	NOELR		3 mg/l	72 hour	<i>Pseudokirchneriella subcapitata</i>	

Hydrocarbons, C8-C9, isoalkanes

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD ₅₀	OECD 401	>7100 mg/kg bw			
Dermal	LD ₅₀		>2200 mg/kg	24 hour	Rabbit	
Inhalation (vapor)	LC ₅₀	OECD 403	17300-23300 mg/m ³	4 hour	Rat (<i>Rattus norvegicus</i>)	

isopropanol

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD ₅₀		4570 mg/kg		Rat	
Dermal	LD ₅₀		13400 mg/kg		Rabbit	
Inhalation (vapor)	LC ₅₀		72.6 mg/l	4 hour	Rat	
Oral	LD ₅₀		5280 mg/kg		Rat	
Dermal	LD ₅₀		12800 mg/kg		Rat	

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Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

May be fatal if swallowed and enters airways. Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time.

More information

Data not available.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Toxic to aquatic life with long lasting effects.

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Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀		19 mg/l	96 hour	Fishes	

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Parameter	Method	Value	Time of exposure	Species	Environment
ErL 50		13.6 mg/l	72 hour	Pseudokirchneriella subcapitata	
EL 50		31.9 mg/l	48 hour	Daphnia (Daphnia magna)	

Hydrocarbons, C8-C9, isoalkanes

Parameter	Method	Value	Time of exposure	Species	Environment
ErL50	OECD 201	10-30 mg/l	72 hour	Algae (Selenastrum capricornutum)	

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Hydrocarbons, C8-C9, isoalkanes

Parameter	Method	Value	Time of exposure	Species	Environment
EbL50	OECD 201	10-30 mg/l	72 hour	Algae (Selenastrum capricornutum)	
NOELR	OECD 201	6.3 mg/l	72 hour	Algae (Selenastrum capricornutum)	
EL50		2.4 mg/l	48 hour	Daphnia (Daphnia magna)	
LL50	OECD 203	18.4 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
NOELR	OECD 211	1 mg/l	21 day	Daphnia (Daphnia magna)	
NOELR		0.46 mg/l	28 day	Oncorhynchus mykiss	

isopropanol

Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀		6550 mg/l	96 hour	Fishes	
EC ₅₀		>100 mg/l	48 hour	Daphnia	
EC ₅₀		>100 mg/l	72 hour	Algae	
LD ₅₀		>100 mg/l	48 hour	Fishes (Leuciscus idus)	

Chronic toxicity

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Parameter	Value	Time of exposure	Species	Environment
NOEL	7.14 mg/l	21 hour	Daphnia (Daphnia magna)	
NOEL	4.09 mg/l	28 day	Fishes (Oncorhynchus mykiss)	

More information

Data not available.

12.2. Persistence and degradability

Biodegradability

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Parameter	Value	Time of exposure	Environment	Result
	98 %	28 day		

Hydrocarbons, C8-C9, isoalkanes

Parameter	Value	Time of exposure	Environment	Result
	22 %	28 day		
	60 %	60 day		

isopropanol

Parameter	Value	Time of exposure	Environment	Result
	53 %	5 day		

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Data not available.

12.3. Bioaccumulative potential

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
Log Pow	3.6				

isopropanol

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	3				

logPow 3.6

12.4. Mobility in soil

isopropanol

Parameter	Value	Environment	Surrounding temperature
Log Pow	0.05		
Koc	1.5		

Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

14 06 03 other solvents and solvent mixtures *
16 05 04 gases in pressure containers (including halons) containing hazardous substances *
17 04 05 iron and steel

Packaging waste type code

15 01 11 metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers *
15 01 04 metallic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number

UN 1950

14.2. UN proper shipping name

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14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not available

14.5. Environmental hazards

Yes

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

Additional information

Hazard identification No.



UN number

5F

Classification code

2.1+hazardous for the environment

Safety signs



Road transport - ADR

Special provisions

190, 327, 344, 625

Limited quantities

1 L

Packaging

Packing instructions

P207, LP200

Special packing provisions

PP87, RR6, L2

Mixed packing provisions

MP9

Transport category

2

Tunnel restriction code

(D)

Special provision for

packages

V14

loading, unloading and handling

CV9, CV12

Railway transport - RID

Special provisions

190, 327, 344, 625

Packaging

Packing instructions

P207, LP200

Special packing provisions

PP87, RR6, L2

Mixed packing provisions

MP9

Transport category

0

Special provision for

packages

W 14

loading, unloading and handling

CW 9, CW 12

Air transport - ICAO/IATA

Packaging instructions for limited amount

Y203

Packaging instructions passenger

203

Cargo packaging instructions

203

Marine transport - IMDG

EmS (emergency plan)

F-D, S-U

MFAG

620

Marine Pollutant

Yes

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SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

not available

More information

It contains more than 30% aliphatic hydrocarbons

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P102	Keep out of reach of children.
P211	Do not spray on an open flame or other ignition source.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P261	Avoid breathing spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P501	Dispose of container to as hazardous waste.

A list of additional standard phrases used in the safety data sheet

EUH 066 Repeated exposure may cause skin dryness or cracking.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

CONTEC CLEAN STAR

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IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC ₅₀	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K _{ow}	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Aerosol	Aerosol
Aquatic Chronic	Hazardous to the aquatic environment
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.