



SAFETY DATA SHEET

Space Guard Room Disinfectant

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name Space Guard Room Disinfectant

Container size 200ml

REACH registration notes All chemicals used in this product have been registered under REACH where required.

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

Identified uses Disinfectant.

1.3. Details of the supplier of the safety data sheet

Supplier Sanglier Ltd
Shelley Close
Lowmoor Business Park
Kirkby in Ashfield
NG17 7JZ

Tel: 01623 722661
Fax: 01623 885971
Email: bioshield@sanglier.org.uk

1.4. Emergency telephone number

Emergency telephone UK +44 (0) 1623 722661 (Mon-Fri 09:00-17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.
H319 Causes serious eye irritation.

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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.
 P280 Wear protective clothing, gloves, eye and face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/ attention.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 P501 Dispose of contents/ container in accordance with national regulations.

Supplementary precautionary statements

P261 Avoid breathing spray.
 P271 Use only outdoors or in a well-ventilated area.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DIMETHYL ETHER 30-60%		
CAS number: 115-10-6	EC number: 204-065-8	REACH registration number: 01-2119472128-37-XXXX
Classification Flam. Gas 1 - H220 Press. Gas (Liq.) - H280		
Ethanol 30-60%		
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319		
Alcohol C13-iso, ethoxylated <1%		
CAS number: 9043-30-5	EC number: 500-027-2	REACH registration number: 02-2119492447-27-XXXX
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318		

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Didecyldimethylammonium chloride			<1%
CAS number: 7173-51-5	EC number: 230-525-2	REACH registration number: 01-2119945987-15-XXXX	
M factor (Acute) = 10			
Classification Acute Tox. 3 - H301 Skin Corr. 1B - H314 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411			

Alanine, N,N-bis(carboxymethyl-), trisodiumsalt			<1%
CAS number: 164462-16-2	EC number: 423-270-5	REACH registration number: 01-0000016977-53-XXXX	
Classification Met. Corr. 1 - H290			

Isopropanol			<1%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336			

Ethane-1,2-diol			<1%
CAS number: 107-21-1	REACH registration number: 01-2119456816-28-0000		
Classification Acute Tox. 4 - H302 STOT RE 2 - H373			

TURPENTINE, OIL			<1%
CAS number: 8006-64-2	EC number: 232-350-7		
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411			

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The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Use suitable lotion to moisturise skin. Get medical attention if irritation persists after washing.
Eye contact	Continue to rinse for at least 15 minutes and get medical attention. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

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

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause nausea, headache, dizziness and intoxication. If large quantities are involved: Central nervous system depression. Stomach pain.
Skin contact	May cause skin irritation/eczema. Repeated exposure may cause skin dryness or cracking.
Eye contact	Causes serious eye damage.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide. Cool containers exposed to flames with water until well after the fire is out.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. May explode when heated or when exposed to flames or sparks. Bursting aerosol containers may be propelled from a fire at high speed.
Hazardous combustion products	Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	Use water to keep fire exposed containers cool and disperse vapours. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	For personal protection, see Section 8.
For non-emergency personnel	For the greatest protection, clothing should include anti-static overalls, boots and gloves.

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For emergency responders For the greatest protection, clothing should include anti-static overalls, boots and gloves.

6.2. Environmental precautions

Environmental precautions Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. Contain spillage with sand, earth or other suitable non-combustible material. Collect and dispose of spillage as indicated in Section 13. Provide adequate ventilation. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate general and local exhaust ventilation.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry and cool place. Keep container in a well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage class Flammable Gas

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

DIMETHYL ETHER

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Isopropanol

Short-term exposure limit (15-minute): WEL 1250 mg/m³ 500 ppm

Long-term exposure limit (8-hour TWA): WEL 999 mg/m³ 400 ppm

Ethane-1,2-diol

Long-term exposure limit (8-hour TWA): WEL 20 ppm 52 mg/m³ vapour

Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour

Long-term exposure limit (8-hour TWA): IOELV 20 ppm 52 mg/m³

Short-term exposure limit (15-minute): IOELV 40 ppm 104 mg/m³

TURPENTINE, OIL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 566 mg/m³

Short-term exposure limit (15-minute): WEL 150 ppm 850 mg/m³

WEL = Workplace Exposure Limit.

IOELV = Indicative occupational exposure limit value.

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DIMETHYL ETHER (CAS: 115-10-6)

PNEC	- Fresh water; 0,155 mg/l
	- Intermittent release, Water; 1,549 mg/l
	- Water; 160 mg/l
	- marine water; 0,016 mg/l
	- Sediment (Freshwater); 0,681 mg/l
	- Sediment (Marinewater); 0,069 mg/l
	- Soil; 0,045 mg/l

Ethanol (CAS: 64-17-5)

DNEL	Workers - Inhalation; Short term local effects: 1900 mg/m ³
	Workers - Dermal; Long term : 343 mg/kg
	Workers - Inhalation; Long term : 950 mg/m ³
	Consumer - Inhalation; Short term local effects: 950 mg/m ³
	Consumer - Dermal; Long term : 206 mg/kg
	Consumer - Inhalation; Long term : 114 mg/m ³
	Consumer - Oral; Long term : 87 mg/kg
PNEC	Fresh water; 0.96 mg/l
	marine water; 0.79 mg/l
	Sediment (Freshwater); 3.6 mg/kg
	Soil; 0.63 mg/kg

Alanine, N,N-bis(carboxymethyl-), trisodiumsalt (CAS: 164462-16-2)

DNEL	Consumer - Oral; Short term systemic effects: 85 mg/kg/day
	Consumer - Oral; Long term systemic effects: 17 mg/kg/day
	Consumer - Inhalation; Long term systemic effects: 20 mg/m ³
	Workers - Inhalation; Long term systemic effects: 40 mg/m ³
	Consumer - Inhalation; Long term local effects: 2 mg/m ³
	Workers - Inhalation; Long term local effects: 4 mg/m ³
	Consumer - Inhalation; Short term systemic effects: 20 mg/m ³
	Workers - Inhalation; Short term systemic effects: 40 mg/m ³
	Consumer - Inhalation; Short term local effects: 20 mg/m ³
	Workers - Inhalation; Short term local effects: 40 mg/m ³
PNEC	Fresh water; 2 mg/l
	marine water; 0.2 mg/l
	Sediment (Freshwater); 24 mg/kg
	Intermittent release; 1
	Soil; 2.5 mg/kg
	STP; 100 mg/l

Ethane-1,2-diol (CAS: 107-21-1)

DNEL	Workers - Dermal; Long term systemic effects: 106 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 35 mg/m ³
	General population - Dermal; Long term systemic effects: 53 mg/kg/day
	General population - Inhalation; Long term systemic effects: 7 mg/m ³

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PNEC

Fresh water; 10 mg/l
marine water; 1 mg/l
Sediment (Freshwater); 20.9 mg/kg
Soil; 1.53 mg/kg
STP; 199.5 mg/l

Isopropanol (CAS: 67-63-0)

DNEL

Consumer - Oral; Long term systemic effects: 26 mg/kg
Workers - Dermal; Long term systemic effects: 888 mg/kg
Consumer - Dermal; Long term systemic effects: 319 mg/m³
Consumer - Inhalation; Long term systemic effects: 89 mg/m³
Workers - Inhalation; Long term systemic effects: 500 mg/m³

PNEC

- Fresh water; 140.9 mg/l
- Sediment (Freshwater); 552 mg/kg
- Intermittent release; 140.9 mg/l
- Sediment (Marinewater); 552 mg/kg
- marine water; 140.9 mg/l
- STP; 2251 mg/l
- Soil; 28 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Personal protection

Wear protective clothing.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166. Provide eyewash station.

Hand protection

Nitrile rubber. >360 min The selected gloves should have a breakthrough time of at least 2 hours. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated.

Hygiene measures

Good personal hygiene procedures should be implemented. When using do not eat, drink or smoke.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.
Short term Gas filter, type AX.

Thermal hazards

Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

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Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Alcoholic.
Initial boiling point and range	78°C ethanol
Flash point	A flash point method is not available for aerosols, but the major hazardous component, the propellant (Dimethyl ether) has a flash point of <-41°C with flammability limits of 3.3% vol. upper and 26.2% vol. lower.
Relative density	Liquid base: 0.83 - 0.87 @ 20°C
Viscosity	Liquid base: 5 - 25 cP @ 20°C

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 90 %.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable at normal ambient temperatures and when used as recommended.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight. Heat, sparks, flames.
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10.5. Incompatible materials

Materials to avoid	Oxidising agents. Acids. Alkalis.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Carbon monoxide (CO).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Summary	Based on available data the classification criteria are not met.
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Acute toxicity - dermal

Summary	Based on available data the classification criteria are not met.
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Acute toxicity - inhalation

Summary	Based on available data the classification criteria are not met.
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Skin corrosion/irritation

Summary Based on available data the classification criteria are not met.

Serious eye damage/irritation

Summary Causes serious eye irritation.

Respiratory sensitisation

Summary Based on available data the classification criteria are not met.

Skin sensitisation

Summary Based on available data the classification criteria are not met.

Germ cell mutagenicity

Summary Based on available data the classification criteria are not met.

Carcinogenicity

Summary Based on available data the classification criteria are not met.

Reproductive toxicity

Summary Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Summary Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Summary Based on available data the classification criteria are not met.

Aspiration hazard

Summary Based on available data the classification criteria are not met.

Toxicological information on ingredients.

DIMETHYL ETHER

Acute toxicity - oral

Notes (oral LD₅₀) Not applicable.

Acute toxicity - dermal

Notes (dermal LD₅₀) Not applicable.

Acute toxicity - inhalation

Notes (inhalation LC₅₀) 164000 ppm, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

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Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Skin contact Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.

Medical symptoms Symptoms following overexposure may include the following: Arrhythmia (deviation from normal heart beat).

Ethanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 20.0

Species Mouse

Alcohol C13-iso, ethoxylated

Acute toxicity - oral

ATE oral (mg/kg) 500.0

Didecyldimethylammonium chloride

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 238.0

Species Rat

ATE oral (mg/kg) 238.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,342.0

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Species Rabbit

Alanine, N,N-bis(carboxymethyl-), trisodiumsalt

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 4,000.0

Species Rat

ATE oral (mg/kg) 4,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 4,000.0

Species Rat

ATE dermal (mg/kg) 4,000.0

Isopropanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,045.0

Species Rat

ATE oral (mg/kg) 5,045.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 12,800.0

Species Rabbit

ATE dermal (mg/kg) 12,800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 30.0

Species Rat

ATE inhalation (vapours mg/l) 30.0

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

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Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Not anticipated to present an aspiration hazard, based on chemical structure.

Ethane-1,2-diol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 7,712.0

Species Rat

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 500.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,500.0

Species Mouse

ATE dermal (mg/kg) 3,500.0

Skin corrosion/irritation

Skin corrosion/irritation Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation Data lacking.

Skin sensitisation

Skin sensitisation No sensitizing effect known.

Germ cell mutagenicity

Genotoxicity - in vitro Not classified.

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Genotoxicity - in vivo	Not classified.
<u>Carcinogenicity</u>	
Carcinogenicity	Not classified.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Not classified.
Reproductive toxicity - development	Not classified.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Causes damage to organs if swallowed.
Target organs	Liver

Alpha-Terpinene

<u>Acute toxicity - oral</u>	
ATE oral (mg/kg)	500.0

SECTION 12: Ecological information

Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
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12.1. Toxicity

Toxicity	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
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Ecological information on ingredients.

DIMETHYL ETHER

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: >4000 mg/l, Poecilia reticulata (Guppy)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >4000 mg/l, Daphnia magna LC ₅₀ , 48 hours: 755,549 mg/l, Daphnia magna

Ethanol

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 48 hours: 100 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , : 100 mg/l, Algae

Didecyldimethylammonium chloride

<u>Acute aquatic toxicity</u>	
LE(C)₅₀	0.01 < L(E)C ₅₀ ≤ 0.1
M factor (Acute)	10

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Acute toxicity - fish	LC ₅₀ , 96 hours: 1 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: 0.19 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.062 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , : 0.062 mg/l, Algae NOEC, : 0.013 mg/l, Algae

Alanine, N,N-bis(carboxymethyl-), trisodiumsalt

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 200 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 200 mg/l, Daphnia magna

Isopropanol

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 48 hours: >100 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >100 mg/l, Scenedesmus subspicatus

Ethane-1,2-diol

Toxicity	Not regarded as dangerous for the environment.
<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow) NOEC, 7 days: 15380 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 486 hours: >100 mg/l, Daphnia magna NOEC, 7 days: 8590 mg/l, Freshwater invertebrates
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 6500/13000 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC ₂₀ , 30 minutes: >1995 mg/l, Fresh water

LIMONENE

Chronic aquatic toxicity

M factor (Chronic)	1
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Alpha Cedrene

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1

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1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL-INDENO[5,6-C]PYRAN

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1

Pinenes

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

Chronic aquatic toxicity

M factor (Chronic)	1
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Terpinolene

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1

d-LIMONENE

Chronic aquatic toxicity

M factor (Chronic)	1
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1,3,5-undecatriene

Chronic aquatic toxicity

M factor (Chronic)	1
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12.2. Persistence and degradability

Persistence and degradability The product is readily biodegradable.

Ecological information on ingredients.

DIMETHYL ETHER

Persistence and degradability	Not readily biodegradable.
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Ethanol

Persistence and degradability	The substance is readily biodegradable.
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Didecyldimethylammonium chloride

Persistence and degradability	The substance is readily biodegradable.
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Biodegradation

OECD 301 A
Water - Degradation 90: 28 days
OECD 301 B
Water - Degradation 72: 28 days
OECD 302 B
Water - Degradation 87-94: 28 days

Alanine, N,N-bis(carboxymethyl-), trisodiumsalt

Biodegradation

OECD 301 F
Water - Degradation 80-90: 28 days
OECD 301 A
Water - Degradation 70: 28 days

Isopropanol

Persistence and degradability

The product is readily biodegradable.

Ethane-1,2-diol

Persistence and degradability

The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available.

Ecological information on ingredients.

DIMETHYL ETHER

Bioaccumulative potential No data available on bioaccumulation.

Ethanol

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient log Pow: ≤ 4

Didecyldimethylammonium chloride

Bioaccumulative potential Bioaccumulation is unlikely.

Isopropanol

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient log Pow: 0.05

Ethane-1,2-diol

Bioaccumulative potential Bioaccumulation is unlikely.

12.4. Mobility in soil

Mobility No data available.

Ecological information on ingredients.

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DIMETHYL ETHER

Mobility Koc: 7,759

Isopropanol

Mobility Mobile. Soluble in water.

Surface tension 22.7 mN/m

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

DIMETHYL ETHER

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Isopropanol

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ethane-1,2-diol

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Ensure containers are empty before discarding (explosion risk). Must not be disposed of together with household waste.

Disposal methods Do not puncture or incinerate, even when empty. Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Waste class Full or Partially Empty Aerosol: 16 05 04, Empty Aerosol: 15 01 10 (Containing hazardous residues), Empty Aerosol: 15 01 04 (No hazardous residues).

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Space Guard Room Disinfectant

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

Transport labels



14.4. Packing group

Not available.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

IMDG Code segregation group SG69

EmS F-D, S-U

ADR transport category 2

Emergency Action Code •3YE

Tunnel restriction code (D)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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Guidance Health and Safety Executive (HSE)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008	Aerosol 1 - H222, H229: Weight of evidence. Eye Irrit. 2 - H319: Calculation method.
Issued by	Technical Department
Revision date	30/07/2020
Revision	1
SDS number	22383
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H229 Pressurised container: may burst if heated. H280 Contains gas under pressure; may explode if heated. H290 May be corrosive to metals. H301 Toxic if swallowed. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.