SAFETY DATA SHEET
Upholstery Carpet Clean

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

1.1. Product identifier

Product name Upholstery Carpet Clean

Product number HAPP0130A

Internal identification NQA2124

UFI UFI: PCV5-W0PG-900N-DQUN

EU REACH registration notes This is a MIXTURE; no registration information contained in this document. Holts are classed as Downstream User.

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

Identified uses Car maintenance product. Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier
Holt Lloyd Services
52 Rue des 40 Mines, 60000 – Allonne, France
Phone: +33 (0)3 64 99 00 32
info@holtsauto.com

Contact person Contact email address: info@holtsauto.com

Manufacturer
Holt Lloyd International Ltd
Barton Dock Road
Stretford
Manchester
M32 0YQ - England, UK
+44 (0) 161 866 4800
FAX +44 (0) 161 866 4854
www.holtsauto.com

1.4. Emergency telephone number

Emergency telephone UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs

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National emergency telephone number

+43 1 31304 5620; chemikalien@umweltbundesamt.at (Austria)
+32022649636; info@poisoncentre.be (Belgium)
+359 2 9154 409; poison_centre@mail.orbitel.bg (Bulgaria)
+38514686910; toksikologija@hzjz.hr (Croatia)
+35722405611; cy-chemregistry@dli.mlsi.gov.cy (Cyprus)
+420267082257; biocidy@mzcr.cz (Czech Republic)
+45 72 54 40 00; mst@mst.dk (Denmark)
+372 794 3500; clp@terviseamet.ee, info@terviseamet.ee (Estonia)
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+390649906140; inscweb@iss.it (Italy)
+371 67032600; lvgmc@lvgmc.lv (Latvia)
+370 70662008; aaa@aaa.am.lt (Lithuania)
+320 22649636; +352 24785551; info@poisoncentre.be; direction-sante@ms.etat.lu (Luxembourg)
+356 2395 2000; info@mccaa.org.mt (Malta)
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+ 386 1 522 1293; gp.ukc@kclj.si (Slovenia)
+34 917689800; intcf.doc@justicia.es (Spain)
+46104566750; giftinformation@gic.se (Sweden)
+44 121 507 4123; allistervale@npis.org, sallybradberry@npis.org (UK)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Aerosol 1 - H222, H229

Health hazards Acute Tox. 4 - H332 Eye Irrit. 2 - H319

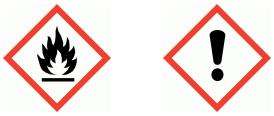
Environmental hazards Not Classified

Human health Gas or vapour in high concentrations may irritate the respiratory system.

Physicochemical The product is extremely flammable. Closed containers can burst violently when heated, due to excess pressure build-up.

2.2. Label elements

Hazard pictograms



Signal word Danger

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Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H332 Harmful if inhaled. H319 Causes serious eye irritation.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. 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. P264 Wash skin thoroughly after handling. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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.
UFI	UFI: PCV5-W0PG-900N-DQUN
Contains	2-BUTOXYETHANOL, Sodium N-Lauroyl Sarcosinate
Detergent labelling	5 - < 15% anionic surfactants, < 5% perfumes
Supplementary precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P312 Call a POISON CENTRE/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/ attention.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-BUTOXYETHANOL **5-10%**

CAS number: 111-76-2 EC number: 203-905-0

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

BUTANE **1-5%**

CAS number: 106-97-8 EC number: 203-448-7

Classification
Flam. Gas 1A - H220
Press. Gas

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ISOBUTANE	**1-5%**
CAS number: 75-28-5	EC number: 200-857-2

Classification
Flam. Gas 1A - H220
Press. Gas

Sodium N-Lauroyl Sarcosinate	**1-5%**
CAS number: 137-16-6	EC number: 205-281-5

Classification
Acute Tox. 2 - H330
Skin Irrit. 2 - H315
Eye Dam. 1 - H318

Sodium Nitrite	**<1%**
CAS number: 7632-00-0	EC number: 231-555-9
M factor (Acute) = 1	

Classification
Ox. Sol. 3 - H272
Acute Tox. 3 - H301
Aquatic Acute 1 - H400

Ethanediol	**<1%**
CAS number: 107-21-1	EC number: 203-473-3

Classification
Acute Tox. 4 - H302
STOT RE 2 - H373

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 Keep affected person away from heat, sparks and flames. Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion No specific recommendations. Due to the small packaging, the risk of ingestion is minimal.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information Treat symptomatically.

Inhalation Harmful if inhaled. Prolonged inhalation of high concentrations may damage respiratory system.

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Ingestion May cause discomfort if swallowed.

Skin contact May be slightly irritating to skin. Prolonged or repeated exposure may cause severe irritation.

Eye contact Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Specific hazards Risk of explosion if heated. Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet.

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 Keep away from heat, sparks and open flame. Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Do not expose to temperatures exceeding 50°C/122°F.

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

2-BUTOXYETHANOL

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Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³
Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³
Sk

BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³
Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

ISOBUTANE

Long-term exposure limit (8-hour TWA): OES 800 ppm
Short-term exposure limit (15-minute): OES 800 ppm

Ethanediol

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate
Sk
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
Sk
WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

2-BUTOXYETHANOL (CAS: 111-76-2)

DNEL	Industry - Dermal; Short term : 89 mg/kg/day Industry - Inhalation; Short term : 663 mg/m³ Industry - Dermal; Long term : 75 mg/kg/day Industry - Inhalation; Long term : 98 mg/m³ Consumer - Dermal; Short term : 44.5 mg/kg/day Consumer - Inhalation; Short term : 426 mg/m³ Consumer - Oral; Short term : 13.4 mg/kg/day Consumer - Dermal; Long term : 38 mg/kg/day Consumer - Oral; Long term : 3.2 mg/kg/day
PNEC	Fresh water; 8.8 mg/l marine water; 8.8 mg/l Sediment; 8.14 mg/kg Soil; 2.8 mg/kg

Sodium N-Lauroyl Sarcosinate (CAS: 137-16-6)

DNEL	Workers - Inhalation; Long term systemic effects: 70.53 mg/m³ Workers - Dermal; Long term systemic effects: 20 mg/kg bw/day General population - Inhalation; Long term systemic effects: 17.39 mg/m³ General population - Dermal; Long term systemic effects: 10 mg/kg bw/day General population - Oral; Long term systemic effects: 10 mg/kg bw/day
PNEC	Fresh water; Long term 0.009 mg/l marine water; Long term 0.001 mg/l STP; Long term 3 mg/l Sediment (Freshwater); Long term 0.064 mg/kg sediment dry weight Sediment (Marinewater); Long term 0.006 mg/l Soil; Long term 0.008 mg/kg soil dry weight

Sodium Nitrite (CAS: 7632-00-0)

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DNEL	Workers - Inhalation; Long term systemic effects: 2 mg/m³ Workers - Inhalation; Short term systemic effects: 2 mg/m³
PNEC	Fresh water; 0.0054 mg/l marine water; 0.00616 mg/l Intermittent release; 0.0054 mg/l STP; 21 mg/l Sediment (Freshwater); 0.0195 mg/kg sediment dry weight Sediment (Marinewater); 0.0223 mg/kg sediment dry weight Soil; 0.00073 mg/kg soil dry weight

Ethanediol (CAS: 107-21-1)

DNEL	Workers - Inhalation; Long term local effects: 35 mg/m³ Workers - Dermal; Long term systemic effects: 106 mg/kg/day General population - Inhalation; Long term local effects: 7 mg/m³ General population - Dermal; Long term systemic effects: 53 mg/kg/day
PNEC	Fresh water; 10 mg/l marine water; 1 mg/l STP; 199.5 mg/l Sediment (Freshwater); 37 mg/kg Sediment (Marinewater); 3.7 mg/kg Soil; 1.53 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Rubber (natural, latex). To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.

Upholstery Carpet Clean

Colour	Colourless.
Odour	New Car
pH	8.1
Relative density	1.001 @ 20°C
Solubility(ies)	Miscible with water.
Partition coefficient	Not determined.

9.2. Other information

Other information	None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidising agents. Strong alkalis. Strong mineral acids.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No information available.

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	14,679.19

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Harmful if inhaled.
ATE inhalation (gases ppm)	70,947.62
ATE inhalation (vapours mg/l)	173.43
ATE inhalation (dusts/mists mg/l)	2.34

Skin corrosion/irritation

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

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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.

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 Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Aspiration hazard Not relevant.

Inhalation Harmful if inhaled. Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact May be slightly irritating to skin. Prolonged or repeated exposure may cause severe irritation.

Eye contact Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation.

Toxicological information on ingredients.

2-BUTOXYETHANOL

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 1,200.0

Species Rat

Notes (oral LD_{50}) Harmful if swallowed. LD_{50} 1414 mg/kg, Oral, Guinea pig

ATE oral (mg/kg) 1,200.0

Acute toxicity - dermal

Notes (dermal LD_{50}) Harmful in contact with skin. LC0, NOAEC > 2000 mg/kg, Dermal, Guinea pig

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Harmful if inhaled. LC0 > 3.1 (females); > 3.4 (males) mg/l, Inhalation, Guinea pig

Skin corrosion/irritation

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Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies. NOAEC 125 mg/m³, Inhalation, Mouse, Rat

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met. Two-generation study - NOAEL 720 mg/kg/day, Oral, Mouse F0, F1

Reproductive toxicity - development This substance has no evidence of toxicity to reproduction. - NOAEL: 30 (maternal); 100 (developmental) mg/kg/day, Oral, Rat - NOAEL: 350 (matermal); 650 (developmental) mg/kg/day, Oral, Mouse - NOAEL: < 1180 (maternal); < 1180 (developmental) mg/kg/day, Oral, Mouse - NOAEL: 50 (maternal); 100 (developmental) ppm, Inhalation, Rat - NOAEL: 50 (maternal); 100 (developmental) ppm, Inhalation, Rabbit - NOAEL: < 150 (maternal); > 200 (developmental) ppm, Inhalation, Rat

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Aspiration hazard Not relevant.

Inhalation Harmful by inhalation.

Ingestion Harmful if swallowed.

Skin contact Harmful in contact with skin. Causes skin irritation.

Eye contact Causes serious eye irritation.

BUTANE

Acute toxicity - oral

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Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat

PROPANE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0

ISOBUTANE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0

Sodium N-Lauroyl Sarcosinate

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} > 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	No information available.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC50 0.05-0.5 mg/l, Inhalation, Rat
ATE inhalation (dusts/mists mg/l)	0.05

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.

Carcinogenicity

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Carcinogenicity	No information available.

Reproductive toxicity

Reproductive toxicity - fertility	No information available.

Specific target organ toxicity - single exposure

STOT - single exposure	No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	No information available.

Aspiration hazard

Aspiration hazard	Not relevant.

Sodium Nitrite

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	180.0
Species	Rat
ATE oral (mg/kg)	180.0

Acute toxicity - dermal

Notes (dermal LD_{50})	No specific test data are available.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	No specific test data are available.

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Inconclusive data.
Genotoxicity - in vivo	Inconclusive data.

Carcinogenicity

Carcinogenicity	There is no evidence that the product can cause cancer.
IARC carcinogenicity	IARC Group 2A Probably carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility	No evidence of reproductive toxicity in animal studies.

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Reproductive toxicity - development	No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure	A single exposure may cause the following adverse effects: Methaemoglobinanaemia
Target organs	Blood

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Prolonged or repeated exposure may cause the following adverse effects: Methaemoglobinanaemia
Target organs	Blood

Aspiration hazard

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

Inhalation	Nausea, vomiting. Unconsciousness and convulsions can occur.
Ingestion	Toxic if swallowed. Symptoms following overexposure may include the following: Nausea, vomiting. Unconsciousness and convulsions can occur.
Skin contact	Skin irritation should not occur when used as recommended.
Eye contact	Causes serious eye irritation.

Ethanediol

Acute toxicity - oral

Notes (oral LD_{50})	Harmful if swallowed.
ATE oral (mg/kg)	500.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} > 3500 mg/kg, Dermal, Mouse

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC50 > 2.5 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

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	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.

Upholstery Carpet Clean

Carcinogenicity

Carcinogenicity	No evidence of carcinogenicity in animal studies. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility	Three-generation study - NOAEL > 1000 mg/kg bw/day, Oral, Rat F2 Fertility - NOEL 1000 mg/kg bw/day, Oral, Mouse F1
Reproductive toxicity - development	No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Prolonged or repeated exposure may cause the following adverse effects: Liver and/or kidney damage.

Aspiration hazard

Aspiration hazard	Not relevant.

Inhalation	No specific health hazards known.
Ingestion	Harmful if swallowed.
Skin contact	May be slightly irritating to skin.
Eye contact	May be slightly irritating to eyes.

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

Sodium Nitrite

Ecotoxicity	Very toxic to aquatic life.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish	No information available.
Acute toxicity - aquatic invertebrates	Not available.
Acute toxicity - aquatic plants	Not available.
Acute toxicity - microorganisms	Not available.
Acute toxicity - terrestrial	Not available.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	Not available.

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Short term toxicity - embryo and sac fry stages	Not available.
Chronic toxicity - aquatic invertebrates	Not available.

Ecological information on ingredients.

2-BUTOXYETHANOL

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 1474 mg/l, Freshwater fish, Oncorhynchus mykiss (Rainbow trout) LC_{50}, 96 hours: 1250 mg/l, Marinewater fish, Menidia beryllina
Acute toxicity - aquatic invertebrates	EC_{50}, LC_{50}, 72 hours: 690 mg/l, Freshwater invertebrates
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 623 mg/l, Freshwater algae EC10, NOEC, 72 hours: 88 mg/l, Freshwater algae
Acute toxicity - microorganisms	EC10, NOEC, 48 hours: 463 mg/l, Uronema parduczi.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	EC10, LC10, NOEC, 21 days: 100 mg/l, Brachydanio rerio (Zebra Fish)
Chronic toxicity - aquatic invertebrates	EC10, LC10, NOEC, 21 days: 100 mg/l, Freshwater invertebrates

Sodium N-Lauroyl Sarcosinate

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 107 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 29.7 mg/l, Daphnia magna
Acute toxicity - aquatic plants	ErC50, 72 hours: 79 mg/l, Desmodesmus subspicatus

Sodium Nitrite

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 0.54-26.3 mg/l, Oncorhynchus mykiss (Rainbow trout) NOEC, 31 days: 6.16 mg/l, Ictalurus punctatus / I. robustus
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 15.4 mg/l, Daphnia magna EC_{50}, 96 hours: 4.93 mg/l, Marinewater invertebrates, Freshwater invertebrates
Acute toxicity - aquatic plants	EC_{50}, 72 hours: > 100 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms	EC_{50}, 48 hours: 421 mg/l, protozoa EC10, 72 hours: 210 mg/l, Activated sludge

Chronic aquatic toxicity

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Chronic toxicity - aquatic invertebrates	NOEC, 80 days: 9.86 mg/l, Daphnia magna

Ethanediol

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 72860 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: > 100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 96 hours: 10940 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC_{20}, 30 minutes: 1995 mg/l, Activated sludge Read-across data.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	LC_{50}, 28 days: > 1500 mg/l, Menidia peninsulae (Tidewater silverside)
Chronic toxicity - aquatic invertebrates	EC_{50}, 21 days: > 100 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability Expected to be readily biodegradable.

Ecological information on ingredients.

2-BUTOXYETHANOL

Persistence and degradability	Rapidly degradable

Sodium N-Lauroyl Sarcosinate

Persistence and degradability	82% 28 days Rapidly degradable

Sodium Nitrite

Biodegradation	Not readily biodegradable.

Ethanediol

Persistence and degradability	10 days 90-100% Rapidly degradable

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely.

Partition coefficient Not determined.

Ecological information on ingredients.

Sodium N-Lauroyl Sarcosinate

Bioaccumulative potential	Bioaccumulation is unlikely.

Upholstery Carpet Clean

Partition coefficient log Pow: 0.37

Sodium Nitrite

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Scientifically unjustified.

Ethanediol

Partition coefficient log Pow: -1.36 QSAR data.

12.4. Mobility in soil

Mobility No data available.

Adsorption/desorption coefficient Not determined.

Henry's law constant Not determined.

Surface tension Not determined.

12.5. Results of PBT and vPvB assessment

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

Ecological information on ingredients.

2-BUTOXYETHANOL

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

Ethanediol

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Refer to the Dangerous Goods List for information on any Special Provisions 190, 327, 344, 625.

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

Upholstery Carpet Clean

UN No. (ADN) 1950

14.2. UN proper shipping name

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 applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS F-D, S-U

ADR transport category 2

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.

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

15.2. Chemical safety assessment

SECTION 16: Other information

Upholstery Carpet Clean

Abbreviations and acronyms used in the safety data sheet

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
BOD: Biochemical Oxygen Demand.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
EC_{50}: 50% of maximal Effective Concentration.
GHS: Globally Harmonized System.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
LC50: Lethal Concentration to 50 % of a test population.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
SVHC: Substances of Very High Concern.
UVCB - Unknown or variable composition, complex reaction products or Biological materials.
vPvB: Very Persistent and Very Bioaccumulative.

Revision date 26/10/2022

Revision 3

Supersedes date 20/01/2021

SDS number 21767

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.
H272 May intensify fire; oxidiser.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure.
H400 Very toxic to aquatic life.

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.