SAFETY DATA SHEET
Aerosol Glass Cleaner

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

1.1. Product identifier

Product name Aerosol Glass Cleaner

Product number SIM34, 72083254001, 72083254031, 72083255001, SIM34A, SAPP0701A, SAPP0030A, SAPP0102A

Internal identification A1103

UFI UFI: TQ13-40XW-J00R-1Y04

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. Glass cleaner.

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)
+358 5052 000; kirjaamo@tukes.fi (Finland)
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+49-30-18412-0; bfr@bfr.bund.de (Germany)
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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)
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+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 (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Not Classified

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.

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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.
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: TQ13-40XW-J00R-1Y04

Detergent labelling

< 5% anionic surfactants

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-BUTOXYETHANOL **1-5%**

CAS number: 111-76-2 EC number: 203-905-0 REACH registration number: 01-2119475108-36-XXXX

Classification
Acute Tox. 4 - H302
Acute Tox. 4 - H312
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 REACH registration number: 01-2119474691-32-XXXX

Classification
Flam. Gas 1A - H220
Press. Gas

PROPANE **1-5%**

CAS number: 74-98-6 EC number: 200-827-9 REACH registration number: 01-2119486944-21-XXXX

Classification
Not Classified

ISOBUTANE **1-5%**

CAS number: 75-28-5 EC number: 200-857-2 REACH registration number: 01-2119485395-27-XXXX

Classification
Flam. Gas 1A - H220
Press. Gas

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Alkyl ether sulfate C12-14 with EO, sodium salt **<1%**

CAS number: 68891-38-3 EC number: 500-234-8

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

Sodium Nitrite **<1%**

CAS number: 7632-00-0 EC number: 231-555-9 REACH registration number: 01-2119471836-27-XXXX

M factor (Acute) = 1

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

AMMONIA ...% **<1%**

CAS number: 1336-21-6 EC number: 215-647-6 REACH registration number: 01-2119488876-14-XXXX

M factor (Acute) = 1

Classification
Skin Corr. 1B - H314
Eye Dam. 1 - H318
STOT SE 3 - H335
Aquatic Acute 1 - H400

ETHANEDIOL **<1%**

CAS number: 107-21-1 EC number: 203-473-3 REACH registration number: 01-2119456816-28-XXXX

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

General information Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Get medical attention if irritation persists after washing.

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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 The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Drowsiness, dizziness, disorientation, vertigo.

Ingestion May cause discomfort if swallowed.

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

Eye contact May be slightly irritating to eyes. 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 Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours. May explode when heated or when exposed to flames or sparks. Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear chemical protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Not considered to be a significant hazard due to the small quantities used.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Avoid spilling. Avoid inhalation of vapours and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

Storage class Flammable compressed gas storage.

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

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 20 ppm 52 mg/m³ vapour
Short-term exposure limit (15-minute): WEL 40 ppm 104 mg/m³ vapour
Sk
Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate
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 Nitrite (CAS: 7632-00-0)

Aerosol Glass Cleaner

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 dw Sediment (Marinewater); 0.0223 mg/kg sediment dw Soil; 0.00073 mg/kg soil dw

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, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.

Aerosol Glass Cleaner

Odour	Characteristic.
pH	pH (concentrated solution): 9.0
Flash point	<1°C Closed cup.
Relative density	0.987 @ °C
Solubility(ies)	Miscible with water. Alcohols.

9.2. Other information

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

Possibility of hazardous reactions Not relevant. May polymerise. Avoid heat.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidising agents.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

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) 9,642.16

Acute toxicity - dermal

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

ATE dermal (mg/kg) 26,500.37

Acute toxicity - inhalation

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

ATE inhalation (gases ppm) 108,410.59

ATE inhalation (vapours mg/l) 265.0

ATE inhalation (dusts/mists mg/l) 36.14

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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.

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.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

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 Drowsiness, dizziness, disorientation, vertigo.

Ingestion May cause discomfort if swallowed.

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

Eye contact May be slightly irritating to eyes. Prolonged or repeated exposure may cause severe irritation.

Route of exposure Inhalation Skin and/or eye contact

Toxicological information on ingredients.

2-BUTOXYETHANOL

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 470.0

Species Rat

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

ATE oral (mg/kg) 470.0

Acute toxicity - dermal

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Notes (dermal LD_{50})	Harmful in contact with skin. LC0, NOAEC > 2000 mg/kg, Dermal, Guinea pig
ATE dermal (mg/kg)	1,100.0

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

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.

Aerosol Glass Cleaner

Skin contact	Harmful in contact with skin. Causes skin irritation.
Eye contact	Causes serious eye irritation.

BUTANE

Acute toxicity - oral

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 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

Aerosol Glass Cleaner

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.
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	

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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.

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.

Ecological information on ingredients.

Sodium Nitrite

Ecotoxicity	Very toxic to aquatic life.

12.1. Toxicity

Acute aquatic toxicity

Aerosol Glass Cleaner

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.
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 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

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Acute toxicity - microorganisms	EC_{50}, 48 hours: 421 mg/l, protozoa EC10, 72 hours: 210 mg/l, Activated sludge

Chronic aquatic toxicity

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

AMMONIA ...%

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1

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 Nitrite

Biodegradation	Not readily biodegradable.

ETHANEDIOL

Persistence and degradability	10 days 90-100% Rapidly degradable

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

Aerosol Glass Cleaner

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 The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

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 EU criteria.

ETHANEDIOL

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

Aerosol Glass Cleaner

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

ADR/RID packing group	None
IMDG packing group	None
ICAO packing group	None
ADN packing group	None

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).
EU legislation	Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). 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). Commission Regulation (EU) No 2015/830 of 28 May 2015.

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Authorisations (Annex XIV Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Annex XVII Regulation 1907/2006) No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

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.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
LOEC: Lowest Observed Effect Concentration.
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: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
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 13/05/2021

Revision 19

Supersedes date 25/11/2015

SDS number 13521

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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.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs (Kidneys) through prolonged or repeated exposure if swallowed.
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.