SAFETY DATA SHEET
STP® Carb Spray Cleaner Professional
According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name STP® Carb Spray Cleaner Professional

Product number 71500

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

Identified uses Cleaning agent.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier
Energizer Trading Ltd
Sword House
Totteridge Road
High Wycombe
HP13 6DG
UK
Tel: +44 845 602 1995
euregulatory@energizer.com

1.4. Emergency telephone number

Emergency telephone
+44 1495 350234
Monday - Thursday: 0830 - 1700
Friday: 0830 - 1530

National emergency telephone number Product information has been submitted to the UK National Poisons Information Service (NPIS) and is accessible to medical health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335, H336 STOT RE 2 - H373 Asp. Tox. 1 - H304

Environmental hazards Not Classified

Physicochemical Containers can burst violently or explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

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Hazard pictograms

Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H373 May cause damage to organs through prolonged or repeated exposure.
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. P260 Do not breathe vapour/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P314 Get medical advice/ attention if you feel unwell. P302+P352 IF ON SKIN: Wash with plenty of water. 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.
Contains	acetone, xylene, 4-hydroxy-4-methylpentan-2-one, ethylbenzene
Detergent labelling	≥ 30% aliphatic hydrocarbons, 15 - < 30% aromatic hydrocarbons
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTRE/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/ attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. 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

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acetone **25 - <50%**

CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-2119471330-49-XXXX

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

Hydrocarbons, C3-4-rich, petroleum distillate **25 - <50%**

CAS number: 68512-91-4 EC number: 270-990-9

Classification
Flam. Gas 1 - H220
Press. Gas (Liq.) - H280

xylene **10 - <25%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-XXXX

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335
STOT RE 2 - H373
Asp. Tox. 1 - H304

4-hydroxy-4-methylpentan-2-one **10 - <25%**

CAS number: 123-42-2 EC number: 204-626-7 REACH registration number: 01-2119473975-21-XXXX

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H335

ethylbenzene **2.5 - <5%**

CAS number: 100-41-4 EC number: 202-849-4

Classification
Flam. Liq. 2 - H225
Acute Tox. 4 - H332
STOT RE 2 - H373
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

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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. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if any discomfort continues.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Do not use organic solvents. Get medical attention if any discomfort continues.

Eye contact Remove any contact lenses and open eyelids wide apart. 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

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact Prolonged contact may cause redness and/or tearing.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Dry chemicals, sand, dolomite etc. Carbon dioxide (CO2). Water spray, fog or mist.

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 Containers can burst violently or explode when heated, due to excessive pressure build-up. Bursting aerosol containers may be propelled from a fire at high speed.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Use water to keep fire exposed containers cool and disperse vapours.

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all ignition sources if safe to do so. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. Eliminate all ignition sources if safe to do so. Do not touch or walk into spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Use only non-sparking tools. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections

Reference to other sections 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

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from heat, sparks and open flame. Provide adequate ventilation.

Advice on general occupational hygiene Avoid contact with eyes and prolonged skin contact. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool and well-ventilated place. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.

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

acetone

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³
Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

Hydrocarbons, C3-4-rich, petroleum distillate

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

xylene

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³
Sk, BMGV

4-hydroxy-4-methylpentan-2-one

Long-term exposure limit (8-hour TWA): WEL 50 ppm 241 mg/m³
Short-term exposure limit (15-minute): WEL 75 ppm 362 mg/m³

ethylbenzene

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Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³
Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³
Sk
WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.
BMGV = Biological monitoring guidance value.

8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation. All handling should only take place in well-ventilated areas. Avoid inhalation of vapours and spray/mists. Use explosion-proof electrical, ventilating and lighting equipment.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Wear tight-fitting, 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. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Frequent changes are recommended.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Do not smoke in work area. Wash promptly with soap and water if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Hydrocarbons.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.

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Relative density	Not determined.
Bulk density	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Other information	No information required.

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 and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition. Avoid the accumulation of vapours in low or confined areas.

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	Does not decompose when used and stored as recommended. Decomposition at ambient temperatures may generate the following substances: Carbon dioxide (CO2). Carbon monoxide (CO). Acrid smoke or fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

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

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	5,500.0

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.
ATE inhalation (gases ppm)	90,018.0

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ATE inhalation (vapours mg/l) 44.0

Skin corrosion/irritation

Animal data Skin Irrit. 2 - H315

Serious eye damage/irritation

Serious eye damage/irritation Eye Irrit. 2 - H319

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 STOT SE 3 - H336

Specific target organ toxicity - repeated exposure

STOT - repeated exposure STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Aspiration hazard Asp. Tox. 1 - H304

Toxicological information on ingredients.

acetone

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 5,800.0

Species Rat

Notes (oral LD_{50}) REACH dossier information.

ATE oral (mg/kg) 5,800.0

Serious eye damage/irritation

Serious eye damage/irritation Eye Irrit. 2 - H319 Causes serious eye irritation.

Skin sensitisation

Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro Gene mutation: Negative. REACH dossier information.

Carcinogenicity

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Carcinogenicity	NOEL 79 mg/, Mouse, Dermal, REACH dossier information.
Reproductive toxicity	
Reproductive toxicity - development	Maternal toxicity: - NOAEC: 2200 ppm, Inhalation, Rat REACH dossier information.
Specific target organ toxicity - single exposure	
STOT - single exposure	STOT SE 3 - H336 May cause drowsiness or dizziness.

Hydrocarbons, C3-4-rich, petroleum distillate

Germ cell mutagenicity	
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information.
Reproductive toxicity	
Reproductive toxicity - fertility	One-generation study - NOAEC 10000 ppm, Inhalation, Rat P REACH dossier information.
Reproductive toxicity - development	Developmental toxicity: - NOAEC: 10426 ppm, Inhalation, Rat REACH dossier information.

xylene

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,251.0
Species	Mouse
Notes (oral LD_{50})	REACH dossier information.
ATE oral (mg/kg)	5,251.0
Acute toxicity - dermal	
Notes (dermal LD_{50})	cATpE: Converted Acute Toxicity Point Estimate.
ATE dermal (mg/kg)	1,100.0
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	cATpE: Converted Acute Toxicity Point Estimate.
ATE inhalation (vapours mg/l)	11.0
Skin corrosion/irritation	
Animal data	Skin Irrit. 2 - H315 Causes skin irritation.
Serious eye damage/irritation	
Serious eye damage/irritation	Dose: 0.1 ml, 72 hours, Rabbit REACH dossier information. Moderately irritating.
Germ cell mutagenicity	
Genotoxicity - in vitro	Chromosome aberration: Negative. REACH dossier information.
Genotoxicity - in vivo	Chromosome aberration: Negative. REACH dossier information.
Carcinogenicity	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

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Reproductive toxicity

Reproductive toxicity - fertility	Two-generation study - NOAEC ≥500 ppm, Inhalation, Rat P, F1 REACH dossier information.
Reproductive toxicity - development	Developmental toxicity: - NOAEC: ≥500 ppm, Inhalation, Rat REACH dossier information.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
Target organs	Central nervous system Kidneys Liver

Aspiration hazard

Aspiration hazard	Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways.

4-hydroxy-4-methylpentan-2-one

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,002.0
Species	Rat
Notes (oral LD_{50})	REACH dossier information.
ATE oral (mg/kg)	3,002.0

Skin corrosion/irritation

Animal data	Dose: 0.5 ml, 24 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information.

Serious eye damage/irritation

Serious eye damage/irritation	Dose: 0.1 ml, 1 hour, Rabbit REACH dossier information. Irritating.

Skin sensitisation

Skin sensitisation	Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information.

Germ cell mutagenicity

Genotoxicity - in vitro	Gene mutation: Negative. REACH dossier information.

Carcinogenicity

Carcinogenicity	NOAEC 1847 mg/m³, Inhalation, Rat REACH dossier information. Read across data.

Reproductive toxicity

Reproductive toxicity - fertility	Fertility - NOAEL 300 mg/kg/day, Oral, Rat P REACH dossier information.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 - H335 May cause respiratory irritation.

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Target organs	Respiratory tract

ethylbenzene

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	3,500.0
Species	Rat
ATE oral (mg/kg)	3,500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	15,400.0
Species	Rabbit
ATE dermal (mg/kg)	15,400.0
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	Converted acute toxicity point estimate (cATpE) Acute Tox. 4 - H332 Harmful if inhaled.
ATE inhalation (gases ppm)	4,500.0
ATE inhalation (vapours mg/l)	11.0
Skin corrosion/irritation	
Animal data	Dose: 0.01 ml, 24 hours, Rabbit Moderately irritating.
Germ cell mutagenicity	
Genotoxicity - in vitro	Chromosome aberration: Negative.
Genotoxicity - in vivo	Chromosome aberration: Negative.
Carcinogenicity	
Carcinogenicity	NOAEC 250 ppm, Oral, Rat
IARC carcinogenicity	IARC Group 2B Possibly carcinogenic to humans.
Reproductive toxicity	
Reproductive toxicity - fertility	Two-generation study - NOAEC 500 ppm, Inhalation, Rat P
Reproductive toxicity - development	Maternal toxicity: - NOAEC: 500 ppm, Inhalation, Rat

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product is not expected to be toxic to aquatic organisms. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

acetone

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Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 8120 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
Acute toxicity - aquatic invertebrates	LC_{50}, 48 hours: 8800 mg/l, Daphnia pulex REACH dossier information.
Acute toxicity - aquatic plants	NOEC, 8 days: 530 mg/l, Microcystis aeruginosa REACH dossier information.
Acute toxicity - microorganisms	EC_{12}, 30 minutes: 1000 mg/l, Activated sludge REACH dossier information.
Acute toxicity - terrestrial	LC_{50}, 48 hours: 100 - 1000 µg/cm², Eisenia Fetida (Earthworm) REACH dossier information.

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	NOEC, 28 days: 2212 mg/l, Daphnia magna LOEC, 28 days: 2212 mg/l, Daphnia magna REACH dossier information.

Hydrocarbons, C3-4-rich, petroleum distillate

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 49.47 mg/l, Fish REACH dossier information. QSAR

xylene

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 2.6 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information. Read-across data.
Acute toxicity - aquatic invertebrates	IC_{50}, 24 hours: 1 mg/l, Daphnia magna REACH dossier information. Read-across data.
Acute toxicity - aquatic plants	NOEC, 73 hours: 0.44 mg/l, Pseudokirchneriella subcapitata EC_{50}, 73 hours: 2.2 mg/l, Pseudokirchneriella subcapitata REACH dossier information. Read-across data.
Acute toxicity - microorganisms	EC_{50}, 24 hours: 96 mg/l, Nitrosomonas REACH dossier information. Read-across data.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOEC, 56 days: > 1.3 mg/l, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.
Chronic toxicity - aquatic invertebrates	NOEC, 7 days: 1.17 mg/l, Ceriodaphnia dubia REACH dossier information. Read-across data.

4-hydroxy-4-methylpentan-2-one

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Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: > 100 mg/l, Oryzias latipes (Red killifish) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: > 1000 mg/l, Daphnia magna NOEC, 48 hours: 1000 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - aquatic plants	EC_{50}, 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata NOEC, 72 hours: 1000 mg/l, Pseudokirchneriella subcapitata REACH dossier information.
Acute toxicity - microorganisms	EC_{50}, 3 hours: > 1000 mg/l, Activated sludge REACH dossier information.

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	LC_{50}, 14 days: > 100 mg/l, Daphnia magna LC_{50}, 21 days: > 100 mg/l, Daphnia magna EC_{50}, 14 days: > 100 mg/l, Daphnia magna EC_{50}, 21 days: > 100 mg/l, Daphnia magna NOEC, 21 days: 100 mg/l, Daphnia magna REACH dossier information.

ethylbenzene

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 4.2 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1.8 - 2.4 mg/l, Daphnia magna EC_{50}, 24 hours: 2.4 - 2.8 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 24 hours: 8 mg/l, Skeletonema costatum EC_{50}, 48 hours: 7.5 mg/l, Skeletonema costatum EC_{50}, 72 hours: 4.9 mg/l, Skeletonema costatum EC_{50}, 96 hours: 7.7 mg/l, Skeletonema costatum NOEC, 96 hours: 4.5 mg/l, Skeletonema costatum
Acute toxicity - microorganisms	EC_{50}, 24 hours: 96 mg/l, Nitrosomonas

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

acetone

Phototransformation	Water - DT_{50} : ~ 10 days REACH dossier information.
Biodegradation	Water - Degradation (25.5 - 36.7%): 281 days Water - Degradation (90.9%): 28 days REACH dossier information. The substance is readily biodegradable.

Hydrocarbons, C3-4-rich, petroleum distillate

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Phototransformation Water - DT_{50} : 1906 days
REACH dossier information.
Calculation method.

Biodegradation Water - Degradation (100%): 385.5 hours
REACH dossier information.
The substance is readily biodegradable.

xylene

Phototransformation Water - DT_{50} : 1.09 days
REACH dossier information.
Read-across data.

Biodegradation Water - ThOD (68%): 10 days
Water - ThOD (87.8%): 28 days
REACH dossier information.
Read-across data.
The substance is readily biodegradable.

4-hydroxy-4-methylpentan-2-one

Biodegradation Water - Degradation (98.51%): 28 days
REACH dossier information.
The substance is readily biodegradable.

ethylbenzene

Phototransformation Water - Degradation (50%): 2.3 days

Biodegradation Water - Degradation (70 - 80%): 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

Ecological information on ingredients.

acetone

Partition coefficient log Pow: -0.24 REACH dossier information.

Hydrocarbons, C3-4-rich, petroleum distillate

Partition coefficient log Pow: 2.3058 REACH dossier information. QSAR

xylene

Bioaccumulative potential BCF: 5.5 - 12.2, Oncorhynchus mykiss (Rainbow trout) REACH dossier information.

Partition coefficient log Pow: 3.12 REACH dossier information. Read-across data.

ethylbenzene

Bioaccumulative potential BCF: 1, Oncorhynchus kisutch (Coho salmon)

Partition coefficient log Pow: 3.6

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12.4. Mobility in soil

Mobility The product is insoluble in water.

Ecological information on ingredients.

acetone

Henry's law constant 2.929 Pa m³/mol @ 25°C REACH dossier information.

Surface tension 26.2 mN/m @ 0°C 23.7 mN/m @ 20°C 21.2 mN/m @ 40°C 18.7 mN/m @ 60°C 16.2 mN/m @ 80°C REACH dossier information.

xylene

Adsorption/desorption coefficient Water - log Koc : 2.73 Read-across data. REACH dossier information.

Henry's law constant 623 - 665 Pa m³/mol @ 25°C QSAR REACH dossier information.

Surface tension 28.75 mN/m @ 25°C REACH dossier information. Read-across data.

ethylbenzene

Henry's law constant 0.008 atm m³/mol @ 25°C

Surface tension 71.2 mN/m @ 23°C

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.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations Do not puncture or incinerate, even when empty.

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

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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	EH40/2005 Workplace exposure limits.
EU legislation	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). 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). Commission Regulation (EU) No 2015/830 of 28 May 2015. 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).
Explosives precursors	Regulation (EU) No 98/2013 of the European Parliament and of the Council of 15 January 2013 on the marketing and use of explosives precursors: Contains a substance or substances listed in Annex II: acetone 25 - <50%

15.2. Chemical safety assessment

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No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IMDG: International Maritime Dangerous Goods.
IATA: International Air Transport Association.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ATE: Acute Toxicity Estimate.
DNEL: Derived No Effect Level.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
BCF: Bioconcentration Factor.

Classification procedures according to Regulation (EC) 1272/2008

Aerosol 1 - H222, H229: Expert judgement. Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H336, Asp. Tox. 1 - H304, STOT RE 2 - H373: Calculation method.

Revision comments

Section 1: Identification of the substance/mixture and of the company/undertaking // 1.3. Details of the supplier of the safety data sheet. Section 2: Hazards identification // 2.2. Label elements.

Revision date

19/03/2020

Revision

11

Supersedes date

03/03/2016

SDS number

414

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.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs (Central nervous system, Kidneys, Liver) through prolonged or repeated exposure.
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

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