



Prestone



SAFETY DATA SHEET EGR & Carb Cleaner

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

1.1. Product identifier

Product name	EGR & Carb Cleaner
Product number	HMTN0201A, 52401110134, HMTN0005A
UFI	UFI: QUX5-K0PR-500D-KDUV
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.
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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	Regulatory Affairs, 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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EGR & Carb Cleaner

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)
 + 33 3 83 85 21 92; bnpc@chru-nancy.fr (France)
 +49-30-18412-0; bfr@bfr.bund.de (Germany)
 +302106479250; +302106479450; devxp.gcs@aade.gr, environment.gcs@aade.gr (Greece)
 +36 (1) 476 1135; clp.ca@nnk.gov.hu (Hungary)
 +354 543 22 22; eitur@landspitali.is (Iceland)
 +353 (1) 809 2166 / +353 (1) 809 2566; chemicalsinfo@beaumont.ie (Ireland)
 +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)
 +31 88 75 585 61; productnotificatie@umcutrecht.nl (The Netherlands)
 +4573580500; produktregisteret@miljodir.no / +47 21 07 70 00; folkehelseinstituttet@fhi.no (Norway)
 +48 42 2538 400; biuro@chemikalia.gov.pl (Poland)
 +351 800 250 250; ciav.tox@inem.pt (Portugal)
 +40213183606; infotox@insp.gov.ro (Romania)
 +7 495 621 6885; +7 495 628 1687; rtiac@mail.ru; rtiac2003@yahoo.com (Russia)
 +421 2 5465 2307; ntic@ntic.sk (Slovakia)
 + 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	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word

Danger

EGR & Carb Cleaner

Hazard statements	<p>H222 Extremely flammable aerosol.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H315 Causes skin irritation.</p> <p>H319 Causes serious eye irritation.</p> <p>H361d Suspected of damaging the unborn child.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P261 Avoid breathing spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
UFI	UFI: QUX5-K0PR-500D-KDUV
Contains	TOLUENE, ACETONE, Hydrocarbons, C6, isoalkanes, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
Detergent labelling	≥ 30% aromatic hydrocarbons, 5 - < 15% aliphatic hydrocarbons
Supplementary precautionary statements	<p>P273 Avoid release to the environment.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

TOLUENE	30-60%
CAS number: 108-88-3	EC number: 203-625-9
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
Repr. 2 - H361d	
STOT SE 3 - H336	
STOT RE 2 - H373	
Asp. Tox. 1 - H304	

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ACETONE	10-30%
CAS number: 67-64-1	EC number: 200-662-2
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
BUTANE	10-30%
CAS number: 106-97-8	EC number: 203-448-7
Classification	
Flam. Gas 1A - H220	
Press. Gas	
PROPANE	10-30%
CAS number: 74-98-6	EC number: 200-827-9
Classification	
Flam. Gas 1A - H220	
ISOBUTANE	5-10%
CAS number: 75-28-5	EC number: 200-857-2
Classification	
Flam. Gas 1A - H220	
Press. Gas	
Hydrocarbons, C6, isoalkanes, <5% n-hexane	1-5%
CAS number: 64742-49-0	EC number: 931-254-9
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	1-5%
CAS number: 64742-49-0	EC number: 927-510-4
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	
Aquatic Chronic 2 - H411	

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

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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 immediately.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.
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 and get medical attention.

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

General information	Treat symptomatically.
Inhalation	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Central nervous system depression.
Ingestion	May be fatal if swallowed and enters airways.
Skin contact	Causes skin irritation. 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.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.
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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.
Hazardous combustion products	Oxides of carbon.

5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water. Move containers from fire area if it can be done without risk.
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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. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Use suitable respiratory protection if ventilation is inadequate.
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6.2. Environmental precautions

Environmental precautions	Harmful to aquatic life with long lasting effects. Avoid release to the environment.
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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.
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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 inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Use approved respirator if air contamination is above an acceptable level.
Advice on general occupational hygiene	Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Do not expose to temperatures exceeding 50°C/122°F. Protect from freezing and direct sunlight. Under normal conditions of handling and storage, spillages from aerosol containers are unlikely.
Storage class	Flammable compressed gas storage. Aerosol containers and lighters

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

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 574 mg/m³(Sk)

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

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

WEL = Workplace Exposure Limit.

TOLUENE (CAS: 108-88-3)

DNEL

Workers - Inhalation; Long term systemic effects: 192 mg/m³

Workers - Inhalation; Short term systemic effects: 384 mg/m³

Workers - Inhalation; Long term local effects: 192 mg/m³

Workers - Inhalation; Short term local effects: 384 mg/m³

Workers - Dermal; Long term systemic effects: 384 mg/kg bw/day

General population - Inhalation; Long term systemic effects: 56.5 mg/m³

General population - Inhalation; Short term systemic effects: 226 mg/m³

General population - Inhalation; Long term local effects: 56.5 mg/m³

General population - Dermal; Long term systemic effects: 226 mg/kg bw/day

General population - Oral; Long term systemic effects: 8.13 mg/kg bw/day

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PNEC	Fresh water; 0.68 mg/l
	Fresh water, Intermittent release; 0.68 mg/l
	marine water; 0.68 mg/l
	STP; 13.61 mg/l
	Sediment (Freshwater); 16.39 mg/kg sediment dry weight
	Sediment (Marinewater); 16.39 mg/l
	Soil; 2.89 mg/kg soil dry weight

ACETONE (CAS: 67-64-1)

DNEL	Consumer - Oral; Long term systemic effects: 62 mg/kg/day
	Workers - Dermal; Long term systemic effects: 186 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 62 mg/kg/day
	Workers - Inhalation; Short term local effects: 2420 mg/m ³
	Workers - Inhalation; Long term systemic effects: 1210 mg/m ³
	Consumer - Inhalation; Long term systemic effects: 200 mg/m ³

PNEC	Fresh water; 10.6 mg/l
	marine water; 1.06 mg/l
	Intermittent release; 21 mg/l
	Sediment (Freshwater); 30.4 mg/kg
	Sediment (Marinewater); 3.04 mg/kg
	Soil; 29.5 mg/kg
	STP; 100 mg/l

Hydrocarbons, C6, isoalkanes, <5% n-hexane (CAS: 64742-49-0)

DNEL	Workers - Inhalation; Long term systemic effects: 1286.4 mg/m ³
	Workers - Inhalation; Long term local effects: 837.5 mg/m ³
	Workers - Inhalation; Short term local effects: 1066.67 mg/m ³
	General population - Inhalation; Long term systemic effects: 1152 mg/m ³
	General population - Inhalation; Long term local effects: 178.57 mg/m ³

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (CAS: 64742-49-0)

DNEL	Workers - Inhalation; Long term systemic effects: 2085 mg/m ³
	Workers - Dermal; Long term systemic effects: 300 mg/kg/day
	General population - Inhalation; Long term systemic effects: 447 mg/m ³
	General population - Dermal; Long term systemic effects: 149 mg/kg/day
	General population - Oral; Long term systemic effects: 149 mg/kg/day

8.2. Exposure controls

Protective equipment



Eye/face protection

The following protection should be worn: Chemical splash goggles.

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.

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Hygiene measures 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. Use appropriate skin cream to prevent drying of skin.

Respiratory protection Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Aromatic hydrocarbons.
Initial boiling point and range	63° - 100°C @
Flash point	-26°C Closed cup.
Relative density	0.825 @ 20°C
Auto-ignition temperature	200°C

9.2. Other information

Volatility	95.89%
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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 Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid No specific requirements are anticipated under normal conditions of use.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

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Notes (inhalation LC₅₀)	Based on available data the classification criteria are not met.
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Causes skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye irritation.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
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.
<u>Carcinogenicity</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Suspected of damaging the unborn child.
Reproductive toxicity - development	Contains an ingredient listed as: Repr. 2
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	May cause drowsiness or dizziness.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure. Central and/or peripheral nervous system damage.
<u>Aspiration hazard</u>	
Aspiration hazard	Not relevant.
<u>Inhalation</u>	
Inhalation	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Central nervous system depression.
<u>Ingestion</u>	
Ingestion	May be fatal if swallowed and enters airways.
<u>Skin contact</u>	
Skin contact	Causes skin irritation. Prolonged or repeated exposure may cause severe irritation.
<u>Eye contact</u>	
Eye contact	Causes serious eye irritation. Prolonged or repeated exposure may cause severe irritation.
<u>Route of exposure</u>	
Route of exposure	Inhalation Skin and/or eye contact

Toxicological information on ingredients.

TOLUENE

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

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Notes (inhalation LC₅₀)	LC50 > 20 mg/l, Inhalation, Human NOAEC 300 mg/m ³ , Inhalation, Human
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Causes skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	No information available.
<u>Skin sensitisation</u>	
Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	No evidence of carcinogenicity in animal studies.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Suspected of damaging fertility. Fertility - NOAEC 4522 mg/m ³ , Inhalation, Rat F1
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Central and/or peripheral nervous system damage.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	Brain damage. Hearing organs Effects on colour vision
<u>Aspiration hazard</u>	
Aspiration hazard	May be fatal if swallowed and enters airways.

ACETONE

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	5,800.0
Species	Rat
ATE oral (mg/kg)	5,800.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	7,400.0
Species	Rabbit
<u>Acute toxicity - inhalation</u>	
Acute toxicity inhalation (LC₅₀ vapours mg/l)	76.0
Species	Rat

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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

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

Reproductive toxicity

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

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

Specific target organ toxicity - single exposure

STOT - single exposure Central and/or peripheral nervous system damage. Narcotic effects

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.

BUTANE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

PROPANE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,000.0

Species Rat

ATE oral (mg/kg) 5,000.0

ISOBUTANE

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Acute toxicity - oral

Acute toxicity oral (LD₅₀) 5,000.0
mg/kg)

Species Rat

ATE oral (mg/kg) 5,000.0

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

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 16750 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 3350 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC50 259354 mg/m³, 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 No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met. NOAEC 31680 mg/m³, Inhalation, Mouse

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEC 31680 mg/m³, Inhalation, Rat F1, F2

Specific target organ toxicity - single exposure

STOT - single exposure Central and/or peripheral nervous system damage.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Inhalation May cause drowsiness or dizziness.

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Ingestion	May be fatal if swallowed and enters airways.
Skin contact	May be slightly irritating to skin.
Eye contact	May be slightly irritating to eyes.

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 5840 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2920 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ > 23300 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

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

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative with metabolic activation. Negative without metabolic activation.

Genotoxicity - in vivo No specific test data are available.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Fertility - NOAEC 31680 mg/m³, Inhalation, Rat F1, F2

Specific target organ toxicity - single exposure

STOT - single exposure Central and/or peripheral nervous system damage.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Inhalation May cause drowsiness or dizziness.

Ingestion May be fatal if swallowed and enters airways.

Skin contact Causes skin irritation.

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Eye contact	May be slightly irritating to eyes.
Target organs	Central nervous system

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Ecological information on ingredients.

TOLUENE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 5.5 mg/l, Oncorhynchus kisutch (Coho salmon)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 3.78 mg/l, Freshwater invertebrates
Acute toxicity - aquatic plants	EC ₅₀ , 3 hours: 134 mg/l, Chlorella vulgaris and Chlamydomonas angulosa NOEC, 72 hours: 10 mg/l, Skeletonema costatum
Acute toxicity - microorganisms	IC ₅₀ , 24 hours: 84 mg/l, Nitrosomonas sp.

Chronic aquatic toxicity

Short term toxicity - embryo and sac fry stages	NOEC, 40 days: 1.4 mg/l, Oncorhynchus kisutch (Coho salmon)
Chronic toxicity - aquatic invertebrates	NOEC, 7 days: 0.74 mg/l, Ceriodaphnia dubia

ACETONE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout) LC ₅₀ , 96 hours: 11000 mg/l, Marinewater fish LC ₅₀ , 96 hours: 8300 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 8800 mg/l, Freshwater invertebrates
Acute toxicity - aquatic plants	EC ₅₀ , 96 hours: 7200 mg/l, Algae NOEC, 96 hours: 430 mg/l, Algae
Acute toxicity - microorganisms	EC ₁₀ , NOEC, 30 minutes: 1000 mg/l, Activated sludge

Acute toxicity - terrestrial LC₅₀, 48 hours: 100-1000 µg/cm², Eisenia Fetida (Earthworm)

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEC, 28 days: 2212 mg/l, Daphnia magna

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

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 18.27 mg/l, QSAR

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Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 31.9 mg/l, QSAR
Acute toxicity - aquatic plants	EL ₅₀ , 72 hours: 13.56 mg/l, QSAR
Acute toxicity - microorganisms	EL ₅₀ , 48 hours: 15.81 mg/l, QSAR
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	NOELR, 28 days: 4.089 mg/l, QSAR
Chronic toxicity - aquatic invertebrates	NOELR, 21 days: 7.138 mg/l, QSAR

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LL ₅₀ , 96 hours: 13.4 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 3 mg/l, Daphnia magna NOEL, 48 hours: 2 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL ₅₀ , 72 hours: 10 mg/l, Raphidocelis subcapitata NOEL, 72 hours: 6.3 mg/l, Raphidocelis subcapitata
Acute toxicity - microorganisms	EL ₅₀ , 48 hours: 26.81 mg/l, Tetrahymena pyriformis
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - fish early life stage	NOELR, 28 days: 1.534 mg/l, QSAR
Chronic toxicity - aquatic invertebrates	NOELR, 21 days: 1 mg/l,

12.2. Persistence and degradability

Ecological information on ingredients.

TOLUENE

Persistence and degradability	Rapidly degradable
Stability (hydrolysis)	Not relevant.

ACETONE

Persistence and degradability	90 +/- 2.2%; 28 days Rapidly degradable
Stability (hydrolysis)	The substance is readily biodegradable.

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

Persistence and degradability	98% 28 days Rapidly degradable
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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Persistence and degradability 98% 28 days Rapidly degradable

12.3. Bioaccumulative potential

Ecological information on ingredients.

TOLUENE

Bioaccumulative potential BCF: ~ 90, Leuciscus idus (Golden orfe) Bioaccumulation is unlikely.

Partition coefficient log Pow: 2.73

ACETONE

Bioaccumulative potential Bioaccumulation is unlikely.

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Bioaccumulative potential No information available.

Partition coefficient Scientifically unjustified. UVCB

12.4. Mobility in soil

Mobility The product contains organic solvents 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.

TOLUENE

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

ACETONE

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

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

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

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

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

EGR & Carb Cleaner

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. Empty containers must not be punctured or incinerated because of the risk of an explosion. Avoid the spillage or runoff entering drains, sewers or watercourses.

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

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
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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).
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

15.2. Chemical safety assessment

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.
EC₅₀: 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).
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: 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.

Classification procedures according to SI 2019 No. 720

Aerosol 1 - H222, H229: Calculation method. Skin Irrit. 2 - H315: Calculation method. Eye Irrit. 2 - H319: Calculation method. Repr. 2 - H361d: Calculation method. STOT SE 3 - H336: Calculation method. STOT RE 2 - H373: Calculation method. Aquatic Chronic 3 - H412: Calculation method.

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EGR & Carb Cleaner

Revision	6
Supersedes date	09/12/2021
SDS number	14592
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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