SAFETY DATA SHEET
Gun Gum Exhaust Lacquer Silver

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

1.1. Product identifier

Product name Gun Gum Exhaust Lacquer Silver

Product number RF0192C

UFI UFI: 0DP8-A184-4002-6Q9J

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. Paint.

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)
+ 33 3 83 85 21 92; bnpc@chru-nancy.fr (France)
+49-30-18412-0; bfr@bfr.bund.de (Germany)
+302106479250; +302106479450; devxp.gcsl@aade.gr, environment.gcsl@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 STOT SE 3 - H336

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms

Signal word Danger

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Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing vapour/ spray. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. 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: 0DP8-A184-4002-6Q9J
Contains	Naphtha (petroleum),hydrotreated light, Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics
Supplementary precautionary statements	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Naphtha (petroleum),hydrotreated light **30-60%**

CAS number: 64742-49-0 EC number: 265-151-9

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

PROPANE **10-30%**

CAS number: 74-98-6 EC number: 200-827-9

Classification
Flam. Gas 1A - H220

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BUTANE **10-30%**

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

Classification
Flam. Gas 1A - H220
Press. Gas

ISOBUTANE **10-30%**

CAS number: 75-28-5 EC number: 200-857-2

Classification
Flam. Gas 1A - H220
Press. Gas

XYLENE **5-10%**

CAS number: 1330-20-7 EC number: 215-535-7

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315

Hydrocarbons, C9, aromatics **1-5%**

CAS number: 128601-23-0 EC number: 918-668-5

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H335, H336
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics **1-5%**

CAS number: 64742-48-9 EC number: 919-857-5

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
Asp. Tox. 1 - H304

ETHYLBENZENE **1-5%**

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

Classification
Flam. Liq. 2 - H225
Acute Tox. 4 - H332

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 or use an approved skin cleanser. Get medical attention if any discomfort continues.

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation May cause drowsiness or dizziness.

Ingestion Due to the physical nature of this product, it is unlikely that ingestion will occur.

Skin contact Causes skin irritation.

Eye contact May cause temporary eye irritation.

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

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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.

5.3. Advice for firefighters

Protective actions during firefighting Move containers from fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

Storage class Flammable compressed gas storage.

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7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

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

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Advisory OEL. CEFIC-HSPA : 1200 mg/m3

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m3(Sk)
WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Naphtha (petroleum),hydrotreated light (CAS: 64742-49-0)

DNEL	Workers - Inhalation, Neurotoxicity; Short term Acute: 1286.4 mg/m³ Workers - irritation (respiratory tract); Long term local effects: 837.5 mg/m³ Workers - irritation (respiratory tract); Short term Acute: 1066.67 mg/m³ Workers - Hazard for the eyes no hazard identified General population - Inhalation, Neurotoxicity; Short term Acute: 1152 mg/m³ General population - irritation (respiratory tract); Long term local effects: 178.57 mg/m³ General population - irritation (respiratory tract); Short term Acute: 640 mg/m³ General Population - Hazard for the eyes no hazard identified

XYLENE (CAS: 1330-20-7)

DNEL	Consumer - Dermal; Long term systemic effects: 108 mg/kg/day Workers - Dermal; Long term systemic effects: 180 mg/kg/day Consumer - Inhalation; Short term local effects: 174 mg/m³ Consumer - Inhalation; Short term systemic effects: 174 mg/m³ Workers - Inhalation; Short term systemic effects: 289 mg/m³ Workers - Inhalation; Short term local effects: 289 mg/m³ Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³ Workers - Inhalation; Long term systemic effects: 77 mg/m³

Hydrocarbons, C9, aromatics (CAS: 128601-23-0)

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DNEL

Industry - Dermal; : 25 mg/kg bw/day
Industry - Inhalation; : 150 mg/m³
Consumer - Dermal; : 11 mg/kg bw/day
Consumer - Inhalation; : 32 mg/m³
Consumer - Oral; : 11 mg/kg bw/day

ETHYLBENZENE (CAS: 100-41-4)

DNEL

Workers - Inhalation; Long term systemic effects: 77 mg/m³
Workers - irritation (respiratory tract); Short term Acute: 293 mg/m³
Workers - Dermal; Long term systemic effects: 180 mg/kg/day
Workers - Hazard for the eyes
low hazard (no threshold derived)
General population - Inhalation; Long term systemic effects: 15 mg/m³
General population - Oral; Long term systemic effects: 1.6 mg/kg/day
General Population - Hazard for the eyes
low hazard (no threshold derived)

PNEC

Fresh water; 0.1 mg/l
Intermittent release, Fresh water; 0.1 mg/l
marine water; 0.01 mg/l
STP; 9.6 mg/l
Sediment (Freshwater); 13.7 mg/kg sediment dry weight
Sediment (Marinewater); 1.37 mg/kg sediment dry weight
Soil; 2.68 mg/kg soil dry weight
Secondary Poisoning (Hazard for Predators) - Oral; 200 mg/kg food

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS: 64742-48-9)

DNEL

Industry - Dermal; Long term : 208 mg/kg/day
Industry - Inhalation; Long term : 871 mg/m³
Consumer - Dermal; Long term : 125 mg/kg/day
Consumer - Inhalation; Long term : 185 mg/m³
Consumer - Oral; Long term : 125 mg/l

Tetra-n-butyl titanate, polymer with water (CAS: 162303-51-7)

DNEL

Workers - Inhalation; Long term systemic effects: 127 mg/m³
Workers - Hazard for the eyes
medium hazard (no threshold derived)
General population - Inhalation; Long term systemic effects: 5.43 mg/m³
General population - Dermal; Long term systemic effects: 0.625 mg/kg/day
General population - Oral; Long term systemic effects: 0.625 mg/kg/day
General Population - Hazard for the eyes
medium hazard (no threshold derived)

PNEC

Fresh water; 0.08 mg/l
Intermittent release, Fresh water; 2.25 mg/l
marine water; 0.008 mg/l
STP; 66 mg/l
Sediment (Freshwater); 0.069 mg/kg sediment dry weight
Sediment (Marinewater); 0.007 mg/kg sediment dry weight
Soil; 0.017 mg/kg soil dry weight

8.2. Exposure controls

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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. Gloves made from the following material may provide suitable chemical protection: Rubber (natural, latex).
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
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. 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	Silver.
Odour	Characteristic.
Flash point	< 0°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1% Upper flammable/explosive limit: 10.9%
Relative density	~ 0.705 @ 20°C
Auto-ignition temperature	200°C

9.2. Other information

Volatility	89.46%
Volatile organic compound	This product contains a maximum VOC content of 605.9 g/litre.

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	No potentially hazardous reactions known.

10.4. Conditions to avoid

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

10.5. Incompatible materials

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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 Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Oxides of carbon.

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 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) 25,000.0

Acute toxicity - inhalation

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

ATE inhalation (gases ppm) 300,000.0

ATE inhalation (vapours mg/l) 115.79

ATE inhalation (dusts/mists mg/l) 100.0

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 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 May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

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Aspiration hazard	Not relevant.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations. Symptoms following overexposure may include the following: Headache.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Causes skin irritation.
Eye contact	May cause temporary eye irritation.
Route of exposure	Inhalation Skin and/or eye contact

Toxicological information on ingredients.

Naphtha (petroleum),hydrotreated light

Acute toxicity - oral	
Notes (oral LD_{50})	LD_{50} > 5000 mg/kg, Oral, Rat
Acute toxicity - dermal	
Notes (dermal LD_{50})	LD_{50} > 2000 mg/kg, Dermal, Rabbit
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	LC50 > 5610 mg/m³, Inhalation, Rat
Skin corrosion/irritation	
Skin corrosion/irritation	No adverse effect observed (not irritating)
Serious eye damage/irritation	
Serious eye damage/irritation	No adverse effect observed (not irritating)
Respiratory sensitisation	
Respiratory sensitisation	No information available.
Skin sensitisation	
Skin sensitisation	Not sensitising.
Germ cell mutagenicity	
Genotoxicity - in vitro	No adverse effects observed (negative)
Genotoxicity - in vivo	No adverse effects observed (negative)
Carcinogenicity	
Carcinogenicity	NOAEC 9869 mg/m³, Inhalation, Rat No adverse effects observed.
Reproductive toxicity	
Reproductive toxicity - fertility	Two-generation study - NOAEC > 24700 mg/m³, Inhalation, Rat No adverse effects observed.
Reproductive toxicity - development	Developmental toxicity: - NOAEC: 23900 mg/m³, Inhalation, Rat Developmental toxicity: - NOAEL: 500 mg/kg/day, Dermal, Rat No adverse effects observed.
Specific target organ toxicity - single exposure	
STOT - single exposure	Conclusive data but not sufficient for classification.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Conclusive data but not sufficient for classification.

Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.

PROPANE

Acute toxicity - oral

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

BUTANE

Acute toxicity - oral

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

ISOBUTANE

Acute toxicity - oral

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

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,523.0
Species	Rat
ATE oral (mg/kg)	3,523.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit
ATE dermal (mg/kg)	2,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	29,000.0
Species	Rat
Species	Human

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ATE inhalation (vapours mg/l)	11.0

Skin corrosion/irritation

Skin corrosion/irritation	Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.

Carcinogenicity

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

Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.

Hydrocarbons, C9, aromatics

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,492.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,160.0
Species	Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	6,193.0
Species	Rat

Skin corrosion/irritation

Skin corrosion/irritation	Causes mild skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation	Not irritating

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	This substance has no evidence of mutagenic properties.

Carcinogenicity

Carcinogenicity	No information available.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

STOT - single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
Notes (oral LD_{50})	LD_{50} > 5000 mg/kg, Oral, Rat
ATE oral (mg/kg)	5,000.0

Acute toxicity - dermal

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

Acute toxicity - inhalation

Species	Rat
Notes (inhalation LC_{50})	LC50 > 5000 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	There is no evidence that the product can cause cancer.

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Reproductive toxicity

Reproductive toxicity - fertility One-generation study - NOAEL >/= 3000 mg/kg bw/day, Oral, Rat P

Reproductive toxicity - development Developmental toxicity: - NOAEC: >/= 300 ppm, Inhalation, Rat

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.

ETHYLBENZENE

Acute toxicity - oral

Notes (oral LD_{50}) LD_{50} 3500 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50}) LD_{50} 15400 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Harmful if inhaled. LC50 17629 mg/m³, Inhalation, Mouse

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 No adverse effects observed (not sensitising)

Germ cell mutagenicity

Genotoxicity - in vitro No adverse effects observed (negative)

Genotoxicity - in vivo No adverse effects observed (negative)

Carcinogenicity

Carcinogenicity NOAEC 1085.13 mg/m³, Inhalation, Rat Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Two-generation study - NOAEC 4342.13 mg/m³, Inhalation, Rat F1 Based on available data the classification criteria are not met.

Reproductive toxicity - development Developmental toxicity: - NOAEL: 750 mg/kg/day, Oral, Rat Developmental toxicity: - NOAEC: 434.21 mg/m³, Inhalation, Mouse No evidence of reproductive toxicity in animal studies.

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Specific target organ toxicity - single exposure

STOT - single exposure Conclusive data but not sufficient for classification.

Specific target organ toxicity - repeated exposure

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

Target organs Hearing organs

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Ecological information on ingredients.

Hydrocarbons, C9, aromatics

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Ecological information on ingredients.

Naphtha (petroleum),hydrotreated light

Acute aquatic toxicity

Acute toxicity - fish LL_{50}, 96 hours: 10 mg/l, Oncorhynchus mykiss (Rainbow trout)
LL_{50}, 96 hours: 8.2 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EL50, 48 hours: 4.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants EL50, 72 hours: 3.1 mg/l, Pseudokirchneriella subcapitata
NOELR, 72 hours: 0.5 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - microorganisms LL_{50}, 72 hours: 15.41 mg/l, Tetrahymena pyriformis

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOELR, 21 days: 2.6 mg/l, Daphnia magna

XYLENE

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 13.5 hours: 96 mg/l, Fish

Acute toxicity - aquatic invertebrates EC_{50}, 7.4 hours: 48 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC_{50}, 72 hours: 1-10 mg/l, Algae

Hydrocarbons, C9, aromatics

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, 96 hours: 9.2 mg/l, Oncorhynchus mykiss (Rainbow trout)

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Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 3.2 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 2.9 mg/l, Algae NOEC, 71 hours: 1 mg/l, Pseudokirchneriella subcapitata
Chronic aquatic toxicity	
Chronic toxicity - fish early life stage	NOEC, 28 days: 1.23 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 2.14 mg/l, Daphnia magna

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: > 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EL50, 48 hours: 0.95 mg/l, Tetrahymena pyriformis, QSAR

ETHYLBENZENE

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: 4.2 mg/l, Oncorhynchus mykiss (Rainbow trout) LC_{50}, 96 hours: 5.1 mg/l, Menidia menidia (Atlantic silverside)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1.8 mg/l, Daphnia magna LC_{50}, 48 hours: 3.2 mg/l, Ceriodaphnia dubia LC_{50}, 96 hours: 2.6 mg/l, Mysid shrimp, Americamysis bahia
Acute toxicity - aquatic plants	EC_{50}, 96 hours: 3.6 mg/l, Pseudokirchneriella subcapitata EC10, NOEC, 96 hours: 3.4 mg/l, Pseudokirchneriella subcapitata EC_{50}, 96 hours: 7.7 mg/l, Skeletonema costatum EC10, NOEC, 96 hours: 4.5 mg/l, Skeletonema costatum
Acute toxicity - microorganisms	EC_{50}, 24 hours: 96 mg/l, Nitrosomonas sp.
Acute toxicity - terrestrial	LC_{50}, 48 hours: 0.047 mg/cm², Eisenia Fetida (Earthworm)
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	LC_{50}, 7 days: 3.6 mg/l, Ceriodaphnia dubia NOEL, 7 days: 1.0 mg/l, Ceriodaphnia dubia

12.2. Persistence and degradability

Ecological information on ingredients.

XYLENE

Biodegradation	The substance is readily biodegradable.

Hydrocarbons, C9, aromatics

Gun Gum Exhaust Lacquer Silver

Biodegradation Rapidly degradable
Water - Degradation 78%: 28 days

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Persistence and degradability Rapidly degradable

ETHYLBENZENE

Persistence and degradability Rapidly degradable 28 days 79%

Phototransformation Air - Half-life 50%: 2.3 days

12.3. Bioaccumulative potential

Ecological information on ingredients.

Hydrocarbons, C9, aromatics

Partition coefficient log Pow: < 4.5

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

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

ETHYLBENZENE

Bioaccumulative potential BCF: 110, QSAR

Partition coefficient Log Kow (Log Pow): 3.6 @ 20 deg C

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

Ecological information on ingredients.

Naphtha (petroleum),hydrotreated light

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

Hydrocarbons, C9, aromatics

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

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

ETHYLBENZENE

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

Gun Gum Exhaust Lacquer Silver

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. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14: Transport information

General As supplied, this product is consigned under the Limited Quantities provisions.

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 (CONTAINS Naphtha (petroleum),hydrotreated light)

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

Gun Gum Exhaust Lacquer Silver

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

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

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

SECTION 15: Regulatory information

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

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Gun Gum Exhaust Lacquer Silver

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.
BCF: Bioconcentration Factor.
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.
Kow: Octanol-water partition coefficient.
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.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
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. STOT SE 3 - H336: Calculation method. Aquatic Chronic 2 - H411: Calculation method.

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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.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

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