



## SAFETY DATA SHEET

### Holts Brake Cleaner

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

##### 1.1. Product identifier

Product name	Holts Brake Cleaner
Product number	52460600131, 72460500136, HMTN0101A, PRO25A, 52460601131, 52460602131
Synonyms; trade names	PRO25A
UFI	UFI: M0Y5-M02H-S00D-W310
REACH registration notes	This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

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

Identified uses	Car maintenance product. Cleaning agent.
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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	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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## Holts Brake 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.gcsf@aade.gr, environment.gcsf@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 (EC 1272/2008)

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

## Holts Brake Cleaner

<b>Hazard statements</b>	<p>H222 Extremely flammable aerosol.</p> <p>H229 Pressurised container: may burst if heated.</p> <p>H315 Causes skin irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
<b>Precautionary statements</b>	<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>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P211 Do not spray on an open flame or other ignition source.</p> <p>P273 Avoid release to the environment.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P261 Avoid breathing spray.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</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>
<b>UFI</b>	UFI: M0Y5-M02H-S00D-W310
<b>Contains</b>	Hydrocarbons, C6, isoalkanes, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics
<b>Detergent labelling</b>	≥ 30% aliphatic hydrocarbons
<b>Supplementary precautionary statements</b>	<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>

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</b>		<b>30-60%</b>
CAS number: 64742-49-0	EC number: 931-254-9	REACH registration number: 01-2119484651-34-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		

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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			30-60%
CAS number: 64742-49-0	EC number: 927-510-4	REACH registration number: 01-2119475515-33-XXXX	
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411			
BUTANE			5-10%
CAS number: 106-97-8	EC number: 203-448-7	REACH registration number: 01-2119474691-32-XXXX	
<b>Classification</b> Flam. Gas 1A - H220 Press. Gas			
PROPANE			5-10%
CAS number: 74-98-6	EC number: 200-827-9	REACH registration number: 01-2119486944-21-XXXX	
<b>Classification</b> Flam. Gas 1A - H220			
ISOBUTANE			1-5%
CAS number: 75-28-5	EC number: 200-857-2	REACH registration number: 01-2119485395-27-XXXX	
<b>Classification</b> Flam. Gas 1A - H220 Press. Gas			

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

## Holts Brake Cleaner

<b>General information</b>	Treat symptomatically.
<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Causes skin irritation. Prolonged or repeated exposure may cause severe irritation.
<b>Eye contact</b>	May be slightly irritating to eyes. Prolonged or repeated exposure may cause severe irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	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

<b>Personal precautions</b>	Avoid inhalation of vapours and contact with skin and eyes.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid release to the environment.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Keep away from heat, sparks and open flame. Avoid spilling. Provide adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes.
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### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Do not expose to temperatures exceeding 50°C/122°F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>Storage class</b>	Flammable compressed gas storage.

### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

## Holts Brake Cleaner

### BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

### ISOBUTANE

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

Short-term exposure limit (15-minute): OES 800 ppm

WEL = Workplace Exposure Limit.

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

##### DNEL

Workers - Inhalation; Long term systemic effects: 1286.4 mg/m<sup>3</sup>

Workers - Inhalation; Long term local effects: 837.5 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 1066.67 mg/m<sup>3</sup>

General population - Inhalation; Long term systemic effects: 1152 mg/m<sup>3</sup>

General population - Inhalation; Long term local effects: 178.57 mg/m<sup>3</sup>

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

##### DNEL

Workers - Inhalation; Long term systemic effects: 2085 mg/m<sup>3</sup>

Workers - Dermal; Long term systemic effects: 300 mg/kg/day

General population - Inhalation; Long term systemic effects: 447 mg/m<sup>3</sup>

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, gloves should comply with European Standard EN374.

##### 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. Do not smoke in work area. Do not eat, drink or smoke when using this product.

##### Respiratory protection

No specific recommendations. 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	Water-white.
Odour	Organic solvents.

## Holts Brake Cleaner

Flash point < 0°C Closed cup.

Relative density 0.672 @ 20°C

Auto-ignition temperature 200°C

### 9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 97 %.

## 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 No potentially hazardous reactions known.

### 10.4. Conditions to avoid

Conditions to avoid Avoid exposing aerosol containers to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Materials to avoid Acids. Alkalis. Oxidising agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon dioxide (CO<sub>2</sub>). 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 LD<sub>50</sub>) Based on available data the classification criteria are not met.

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Based on available data the classification criteria are not met.

#### 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

## Holts Brake Cleaner

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

### Carcinogenicity

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

### Reproductive toxicity

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

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

### Specific target organ toxicity - single exposure

**STOT - single exposure** 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

**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. May cause eye and respiratory system irritation. Symptoms following overexposure may include the following: Headache.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Causes skin irritation. Prolonged or repeated exposure may cause severe irritation.

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

**Route of exposure** Inhalation Skin and/or eye contact

### Toxicological information on ingredients.

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

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 16750 mg/kg, Oral, Rat

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> 3350 mg/kg, Dermal, Rabbit

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> 259354 mg/m<sup>3</sup>, 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



## Holts Brake Cleaner

<b>Skin sensitisation</b>	Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Negative.
<b>Genotoxicity - in vivo</b>	Negative.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met. NOAEC 31680 mg/m <sup>3</sup> , Inhalation, Mouse
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Two-generation study - NOAEC 31680 mg/m <sup>3</sup> , Inhalation, Rat F1, F2
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Central and/or peripheral nervous system damage.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b><u>Inhalation</u></b>	
<b>Inhalation</b>	May cause drowsiness or dizziness.
<b><u>Ingestion</u></b>	
<b>Ingestion</b>	May be fatal if swallowed and enters airways.
<b><u>Skin contact</u></b>	
<b>Skin contact</b>	May be slightly irritating to skin.
<b><u>Eye contact</u></b>	
<b>Eye contact</b>	May be slightly irritating to eyes.
<b><u>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</u></b>	
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> > 5840 mg/kg, Oral, Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> > 2920 mg/kg, Dermal, Rat
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LC50 > 23300 mg/m <sup>3</sup> , Inhalation, Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	No information available.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising.

## Holts Brake Cleaner

### 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/m<sup>3</sup>, 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.

**Eye contact** May be slightly irritating to eyes.

**Target organs** Central nervous system

### BUTANE

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

### PROPANE

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

### ISOBUTANE

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

## Holts Brake Cleaner

ATE oral (mg/kg) 5,000.0

### SECTION 12: Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

#### 12.1. Toxicity

##### Ecological information on ingredients.

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

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 18.27 mg/l, QSAR

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 31.9 mg/l, QSAR

**Acute toxicity - aquatic plants** EL50, 72 hours: 13.56 mg/l, QSAR

**Acute toxicity - microorganisms** EL50, 48 hours: 15.81 mg/l, QSAR

##### Chronic aquatic toxicity

**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

##### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: 13.4 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 3 mg/l, Daphnia magna  
NOEL, 48 hours: 2 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EL50, 72 hours: 10 mg/l, Raphidocelis subcapitata  
NOEL, 72 hours: 6.3 mg/l, Raphidocelis subcapitata

**Acute toxicity - microorganisms** EL50, 48 hours: 26.81 mg/l, Tetrahymena pyriformis

##### Chronic aquatic toxicity

**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

**Biodegradation** Inherently biodegradable.

##### Ecological information on ingredients.

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

## Holts Brake Cleaner

**Persistence and degradability** 98% 28 days Rapidly degradable

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

**Persistence and degradability** 98% 28 days Rapidly degradable

### 12.3. Bioaccumulative potential

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

### Ecological information on ingredients.

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

**Bioaccumulative potential** No information available.

**Partition coefficient** Scientifically unjustified. UVCB

### 12.4. Mobility in soil

### 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.

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

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

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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

## Holts Brake Cleaner

**Proper shipping name (ADR/RID)** AEROSOLS

**Proper shipping name (IMDG)** AEROSOLS (CONTAINS Hydrocarbons, C6, isoalkanes, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)

**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**



### 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** Not applicable.

**Annex II of MARPOL 73/78 and the IBC Code**

## **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).

## Holts Brake Cleaner

### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

Commission Regulation (EU) No 2015/830 of 28 May 2015.

### 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.

EC<sub>50</sub>: 50% of maximal Effective Concentration.

GHS: Globally Harmonized System.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.

LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).

LOAEC: Lowest Observed Adverse Effect Concentration.

LOAEL: Lowest Observed Adverse Effect Level.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

NOEC: No Observed Effect Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

SVHC: Substances of Very High Concern.

UVCB - Unknown or variable composition, complex reaction products or Biological materials.

vPvB: Very Persistent and Very Bioaccumulative.

#### Classification procedures according to Regulation (EC) 1272/2008

Aerosol 1 - H222, H229: Calculation method. Skin Irrit. 2 - H315: Calculation method. STOT SE 3 - H336: Calculation method. Aquatic Chronic 3 - H412: Calculation method.

#### Issued by

Regulatory Specialist

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08/12/2021

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20

#### Supersedes date

24/02/2021

## Holts Brake Cleaner

<b>SDS number</b>	12870
<b>Hazard statements in full</b>	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. H336 May cause drowsiness or dizziness. H411 Toxic 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.