



## SAFETY DATA SHEET

### Electrical Contact Cleaner

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

##### 1.1. Product identifier

**Product name** Electrical Contact Cleaner

**Product number** HMTN0601A, HMTN0004A

**UFI** UFI: M0Y5-M02H-S00D-W310

**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. Cleaning agent.

##### 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

## Electrical Contact 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 (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

## Electrical Contact Cleaner

<b>Hazard statements</b>	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.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing spray. P273 Avoid release to the environment. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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.
<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>	P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P332+P313 If skin irritation occurs: Get medical advice/ attention. P391 Collect spillage.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane</b> CAS number: 64742-49-0      EC number: 931-254-9	<b>25-50%</b>
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	
<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</b> CAS number: 64742-49-0      EC number: 927-510-4	<b>25-50%</b>
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	

## Electrical Contact Cleaner

<b>BUTANE</b>		<b>5-10%</b>
CAS number: 106-97-8	EC number: 203-448-7	
<b>Classification</b> Flam. Gas 1A - H220 Press. Gas		
<b>PROPANE</b>		<b>5-10%</b>
CAS number: 74-98-6	EC number: 200-827-9	
<b>Classification</b> Flam. Gas 1A - H220		
<b>ISOBUTANE</b>		<b>1-5%</b>
CAS number: 75-28-5	EC number: 200-857-2	
<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

<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.
-----------------------------	------------------------

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

## Electrical Contact Cleaner

### 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

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions** Avoid release to the environment.

### 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. Provide adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** 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.

**Storage class** Flammable compressed gas storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure controls/Personal protection**

### 8.1. Control parameters

#### Occupational exposure limits

#### **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)

## Electrical Contact Cleaner

### 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, 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.

#### 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	Colourless.
Odour	Hydrocarbons.
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

## Electrical Contact Cleaner

**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 heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

### 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

**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.

## Electrical Contact Cleaner

### 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** 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.

**Genotoxicity - in vivo** Negative.

##### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met. NOAEC 31680 mg/m<sup>3</sup>, Inhalation, Mouse

##### Reproductive toxicity

## Electrical Contact Cleaner

**Reproductive toxicity - fertility** Two-generation study - NOAEC 31680 mg/m<sup>3</sup>, Inhalation, Rat F1, F2

### 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** 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** 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 LD<sub>50</sub>)** LD<sub>50</sub> > 5840 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> > 2920 mg/kg, Dermal, Rat

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> > 23300 mg/m<sup>3</sup>, 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/m<sup>3</sup>, Inhalation, Rat F1, F2

## Electrical Contact Cleaner

### 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

**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

## Electrical Contact Cleaner

Acute toxicity - aquatic invertebrates	EC <sub>50</sub> , 48 hours: 31.9 mg/l, QSAR
Acute toxicity - aquatic plants	EL <sub>50</sub> , 72 hours: 13.56 mg/l, QSAR
Acute toxicity - microorganisms	EL <sub>50</sub> , 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 <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	EL <sub>50</sub> , 72 hours: 10 mg/l, Raphidocelis subcapitata NOEL, 72 hours: 6.3 mg/l, Raphidocelis subcapitata
Acute toxicity - microorganisms	EL <sub>50</sub> , 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.

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

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

### 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

## Electrical Contact Cleaner

**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.

##### 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

### 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.

**Waste class** WGK : 3 (Germany)

## 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 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

## Electrical Contact Cleaner

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).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

## Electrical Contact Cleaner

### 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.  
 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.  
 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.

### Issued by

Regulatory Specialist

### Revision date

16/12/2021

### Revision

23

### Supersedes date

09/07/2021

### SDS number

14590

### 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.  
 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.