



# MATERIAL SAFETY DATA SHEET

## PERFECTS CONTACT CLEANER

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Reference nr	93170	Date of edition	05/05/16
Revision nr	2	Date of revision	07/03/08

### 1. Identification of the preparation and the undertaking.

#### 1.1. Identification of the preparation :

### **PERFECTS CONTACT CLEANER**

Ref: 93170

#### 1.2. Use of the preparation :

Contact cleaner improves electrical conductivity and reduces friction and wear. The cleaner is moisture, rust and corrosion proof.

#### 1.3. Undertaking identification :

Volcke Aerosol Company  
Industrielaan 15  
B-8520 Kurne  
Belgium  
Tel : 0032/ 56.35.17.23  
Fax : 0032/56.35.30.69

#### 1.4. Emergency telephone number :

0032/56.35.17.23 (labo)

### 2. Information on ingredients.

#### 2.1. Description : A mixture of solvents and active concentrate.

Propellant : Butane/Propane.

#### 2.2. Dangerous components :

Name Component	Concentration Range	EC-Nr	CAS-Nr	Symbol(s)	R-phrases
Petroleum distillate	> 15 < 30 %	265-149-8	64742-47-8	Xn	65-66
Mixture of mineral oil and aliphatic hydrocarbon	> 15 < 30 %	-	-	F-Xn	10-65-66
Isopropanol	< 15 %	200-661-7	67-63-0	F-Xi	11-36-67
Butane ( $\leq$ 0.1 % butadiene)	> 25 < 40 %	203-448-7	106-97-8	F+	12
Propane	> 10 < 25 %	200-827-9	74-98-6	F+	12

"Certain components of this preparation are classified in accordance with the European directives and its risk information (R) is only stated via its codes. The full text of these sentences can be found in chapter 16."

### 3. Hazards Identification.

The preparation is classified as extremely flammable : F+, R 12, R 66.

Intentional misuse of the preparation by concentrating and inhaling the vapours can be harmful or fatal.

**Volcke Aerosol Company NV**  
B-8520 KUURNE TEL.: +32 (0) 56 35 17 23



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### 4. First-aid measures.

**4.1. In case of contact with eyes :** Rinse immediately with plenty of water and seek medical advice.

**4.2. In case of skin contact :** Take off immediately all contaminated clothing. Wash skin with large amounts of soap and water. Seek medical advice if irritation persists.

**4.3. In case of inhalation :** Remove the victim to fresh air. Seek medical advice if the victim is not feeling well.

**4.4. In case of ingestion :** Rinse out mouth with water. Do not smoke. Do not stimulate vomiting. Seek medical advice.

### 5. Fire-fighting measures.

**5.1. Suitable extinguishing media :** CO<sub>2</sub>, powder, spray.

**5.2. Extinguishing media which must not be used for safety reasons :** Full jet of water.

**5.3. Special exposure hazards :** Heating will cause pressure rise with risk of bursting. Bursting aerosols can be forcibly projected from a fire. Keep containers cool by spraying with water if exposed to fire. Keep public away from danger area. If possible, remove to a safe, ventilated place.

**5.4. Special protective equipment for fire-fighters :** Wear suitable protective clothing. Wear suitable gloves and suitable respiratory equipment. Wear eye/face protection.

**5.5. Specific methods :** If possible, stop the product stream. Spray from a protected position till the containers are cool. If possible, take the aerosols outside. Keep public on a distance.

### 6. Accidental release measures.

**6.1. Personal precautions :** Avoid contact with skin and eyes. Eliminate sources of ignition. Take care of a good ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

**6.2. Environmental precautions :** Use appropriate containment to avoid environmental contamination.

**6.3. Methods for cleaning up :** Put outside in open air. Eliminate sources of ignition. Leave any ventilation switched on and vacate the area. Spillages should be soaked up in a non-combustible absorbent material such as sand or earth (and minor traces washed away with plenty of water.) Shovel up and place in a sealed container for product recovery or safe disposal.

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### 7. Handling and storage.

**7.1. Handling :** Pressurized container. Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use. When using do not eat, drink or smoke. Do not inhale the spray particles. Avoid contact with eyes. Use only in well ventilated areas.

**7.2. Storage :** Keep out of the reach of children. Protect from sunlight and do not expose to temperatures exceeding 50°C. Storage in a dry, ventilated place free from frost. Keep away from food, drink and animal feeding stuffs. Keep away from heat and sources of ignition.

**7.3. Specific uses :** Not applicable.

### 8. Exposure controls/personal protection.

#### 8.1. Exposure limit values :

Name Component	Limit Value	Short Time Value	Additional classification
Petroleum distillate	165 ppm / 1200 mg/m <sup>3</sup>	-	
Mixture of mineral oil and aliphatic hydrocarbon	-	-	
Isopropanol	400 ppm / 997 mg/m <sup>3</sup>	500 ppm / 1248 mg/m <sup>3</sup>	
Butane (≤ 0.1 % butadiene)	800 ppm / 1928 mg/m <sup>3</sup>	-	
Propane	-	-	A

#### 8.2. Exposure controls :

##### 8.2.1. Occupational exposure limits :

**8.2.1.1. Respiratory protection :** Do not inhale the spray particles. Use in a well ventilated place (type A, brown).

**8.2.1.2. Hand protection :** Gloves (Nitrilrubber). After use : wash hands with water and soap.

**8.2.1.3. Eye protection :** Avoid contact with the eyes. Do not spray in the direction of the eyes.

**8.2.1.4. Skin protection :** Not necessary. Wash skin that has been in contact with the product, with water and soap after use. When using do not eat, drink or smoke.

**8.2.2. Environmental exposure controls :** The preparation is following the European directives not classified as dangerous for environment.



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### 9. Physical and chemical properties.

#### 9.1. General information :

- Appearance : pressurized container
- Colour : light yellow, clear
- Odour : specific

#### 9.2. Important health, safety and environmental information :

- pH : not applicable
- Boiling point : not applicable
- Flash point : < 0°C
- Flammability : extremely flammable
- Density : ± 0.670 g/ml
- Solubility : in organic solvents

#### 9.3. Other information :

- Melting point : not applicable
- Pressure at 20°C : ± 3.5 bar
- Pressure at 50°C : < 10 bar
- Water content : < 0.3 % w/w

### 10. Stability and reactivity.

**10.1. Conditions to avoid :** Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition. Storage in a dry well ventilated place.

**10.2. Materials to avoid :** No materials known by which a dangerous reaction can appear.

**10.3. Hazardous decomposition products :** Stable, no dangerous reactions at efficient use.

### 11. Toxicological information.

Inhalation : Pain in the throat, dizziness, headache, coughing and respiratory problems by inhaling great concentrations.

Contact with skin : Repeated contact can cause dehydration and irritation.

Contact with eyes : Spraying into the eyes causes irritation.

Ingestion : Stomachache, nausea, vomiting, feeling sleepy.

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### 12. Ecological information.

#### 12.1. Ecotoxicity :

- Low ecotoxicity.
- Butane/Propane : Low acute toxicity for mammals. Slightly toxic, CL50/CE50 > 10-100 mg/l to aquatic organisms estimated.

#### 12.2. Mobility :

- Petroleum distillate : Product is not soluble in water.
- Mixture of mineral oil and aliphatic hydrocarbon : The product has a low solubility in water.
- Isopropanol : Product completely soluble in water.
- Butane/Propane : Evaporates extremely rapidly from water or soil surface. Disperse rapidly in air.

#### 12.3. Persistence en degradability :

- Petroleum distillate : Expected to be readily biodegradable.
- Mixture of mineral oil and aliphatic hydrocarbon : Partly biodegradable.
- Isopropanol : May reasonably biodegrade.
- Butane/Propane : Oxidises quickly by photochemical reactions in air.

#### 12.4. Bioaccumulative potential :

- Petroleum distillate : No data available.
- Mixture of mineral oil and aliphatic hydrocarbon : Bioaccumulation is unlikely.
- Isopropanol : No bioaccumulation.
- Butane/Propane : Does not bioaccumulate.

#### 12.5. Other adverse effects : No.

### 13. Disposal considerations.

Dispose in accordance with local and state regulations.

### 14. Transport information.

Proper shipping name : AEROSOLS, FLAMMABLE

UN : 1950

ADR/RID class : 2 ADR 5F

IMCO : class 2.1

EmS : F-D, S-U

Flash Point : < 0°C

Other relevant data : Extremely flammable



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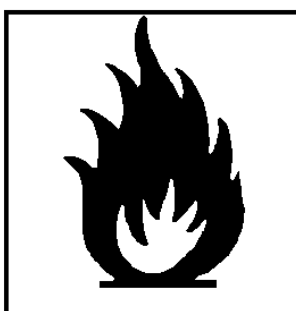
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### 15. Regulatory information.

Label according to the Directives relating to the classification, packaging and labelling of dangerous substances and preparations :



**Extremely Flammable**

#### Risk phrases R :

- R 12 : Extremely flammable.
- R 66 : Repeated exposure may cause skin dryness or cracking.

#### Safety phrases S :

- Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
- S 2 : Keep out of the reach of children.
- S 16 : Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition. No smoking.
- S 23 : Do not breathe spray.
- S 51 : Use only in well-ventilated areas.

\* Provisions on labeling according the EC-Regulation 648/2004 and 907/2006 concerning detergents :

- 30 % and more aliphatic hydrocarbons



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### 16. Other information.

- List of R-phrases :
  - R 11 : Highly flammable.
  - R 12 : Extremely flammable.
  - R 36 : Irritating to eyes.
  - R 65 : Harmful : may cause lung damage if swallowed.
  - R 66 : Repeated exposure may cause skin dryness or cracking.
  - R 67 : Vapours may cause drowsiness and dizziness.
- Further information : Contact cleaner cleans, lubricates and protects domestic appliances, garden equipment, car-locks, car-lampholders, plugs and zippers, hinges, locks and curtain rails in the house. It is also ideal for bicycle chains and gears and can be used safely on metal, plastic, paint and rubber. This spray does not contain silicones.  
**Instructions of use :** Apply the cleaner, let it soak in. Remove dirt. Apply a final coating to moisture, rust and corrosion-proof the parts. When using the cleaner on switches, cable-shoes, plugs and connectors, move the contacts after applying the final coating. Do not use on adhesives.
- Changes to the last version will be indicated with the following symbol : \*.
- This safety document is conform with the norms according to directives 91/155/EEC, 93/112/EEC and 2001/58EC. Arranged conform to article 14 of directive 1999/45/EC.

*“IMPORTANT: The information on these documents are given to the best of our knowledge and in good faith. We accept no responsibility if the product has been used for other purposes than specified. It is the responsibility of the user to respect all safety regulations for both human and environment during handling, storage and end use.”*