

16.03.2022

Replaces: N/A

Ref: 0517.0.AFT/DL

SAFETY DATA SHEET

OB41 Electrical Contact Cleaner

SECTION 1; IDENTIFICATION OF THE SUBSTANCES/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name OB41 Electrical Contact Cleaner

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

Identified uses Spray Electrical Contact Cleaner

1.3. Relevant identified uses of the substances or mixture and uses advised against

Supplier Siroflex Limited
Dodworth Business Park
Dodworth, Barnsley,
South Yorkshire, S75 3SP
Tel: 01226 771600 Fax: 01226 771601 www.ob1original.com

1.4. Emergency telephone number

+44 (0) 1226 771600 (Office Hours Only)

SECTION 2; HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards Aerosol 1- H222, H229
Human health Eye Irrit. 2 – H319; STOT SE 3 – H336

The full text for all Hazard statements IS displayed in Section 16.

2.2 Label Elements

Label in Accordance with (EC) No. 1272/2008

CONTAINS: Propan-2-ol



Signal word` Danger

Hazard statements

H222

Extremely flammable aerosol.

H229	Pressurized container: may burst if heated
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness

Precautionary Statements

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 vapour/spray.
P271	Use only outdoors or in a well-ventilated area.
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container in accordance with local Regulations.

Supplementary precautionary statements

P273	Avoid release to the environment.
P264	Wash contaminated skin thoroughly after handling.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313	If exposed or concerned: Get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+412	Protect from sunlight. Do not expose to temperatures Exceeding 50°C/122°F.

Supplement label information**2.3. Other hazards**

Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after use. Do not spray on naked flame or any incandescent material – NO SMOKING.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures**

PETROLEUM GASES LIQUIFIED		40-70%
CAS- No.: 68476-85-7	EC No.: 270-704-2	
Classification (EC 1272/2008)		
Flam. Gas 1 – H220		
Isoprop		30-40%
CAS- No.: 67-63-0	EC No.: 200-661-7	
Classification (EC 1272/2008)		
Flam. Liq (Cat 2); H225		
Specific target organ toxicity – single exposure (Cat 3), Central nervous system, H336		
Eye Irritation (Cat 2); H319		

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

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT induce vomiting. Rinse mouth with water. Get prompt medical attention.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media

Fire can be extinguished using: foam; carbon dioxide; dry powder

5.2 Special hazards arising from the substance or mixture

Unusual fire & Explosion hazards

Aerosol cans may explode in fire.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to a safe area. Beware of vapours accumulating in low areas. For personal protection see Section 8.

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

6.4 Reference to other sections

Wear protective clothing as described in section 8 of this safety data sheet.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

7.3 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**

	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
PETROLEUM GASES LIQUIFIED	WEL	1000 ppm	1250 mg/m ³	1250 ppm	2180 mg/m ³	UK EH40 WEL
Propan-2-ol	WEL	400ppm	999 mg/m ³	500ppm	1250 mg/m ³	UK EH40 WEL

WEL = Workplace exposure limit.

8.2 Exposure controls**Protective equipment****Engineering measures**

Provide adequate general and local exhaust ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use protective gloves. These should satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection

Wear splash proof goggles to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Other protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

(a) Appearance	Aerosol.
(b) Odour	Alcohol like
(c) Odour Threshold	No data available
(d) pH	No data available
(e) Melting point/freezing point	No data available
(f) Initial boiling point and boiling range	40 (°C)
(g) Flash point	Estimated at -35°C
(h) Evaporation point	No data available
(i) Flammability (solid gas)	No data available
(j) Upper/lower flammability Or explosive limits	No data available
(k) Vapour pressure	No data available
(l) Vapour density	No data available
(m) Relative density	0.62
(n) Water solubility	No data available
(o) Partition coefficient n-octanol/water	No data available
(p) Auto-ignition temperature	No data available

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(q) Decomposition temperature

No data available

(r) Viscosity

No data available

(s) Explosive properties

No data available

(t) Oxidising properties

No data available.

9.2 Other information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Avoid heat, flames and other sources or ignition.

10.5 Incompatible materials

Materials to avoid

Strong acids, strong oxidising substances and strong alkalis.

10.6 Hazardous decomposition products

No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

LD50 Oral – Rat – 8 h – 16,000 ppm

LD50 Demal – Rabbit – 12,800 mg/kg

Ingestion

May cause discomfort if swallowed.

Skin contact

Skin – Rabbit

Result: Mild skin irritation

Eye contact

Eyes – Rabbit

Result: Eye irritation – 24 h

Respiratory or skin sensitisation

No data available

Carcinogenicity

This product is, or contains a compound that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

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

Additional information

RTECS: NT8050000

Central nervous system depression, prolonged or repeated exposure can cause: nausea, headache, vomiting, narcosis, drowsiness. Over exposure may cause mild, reversible liver effects. Aspiration may lead to; lung odoema, pneumonia.

Kidney irregularities - Based on Human Evidence.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.1 Toxicity

Toxicity to fish	LC50 – Pimephales promelas (fathead minnow) – 9,640.00 mg/l – 96 h
Toxicity to daphnia and other Aquatic invertibrates	LC50 – Daphnia magna (Water flea) – 5,201.00 mg/l – 24 h Immobilised EC50 – Daphnia magna (Water flea) – 6,851 mg/l – 24 h
Toxicity to algae	EC50 - Desmodesmus subspicatus (green algae) ->2,000.00 mg/l – 72 h EC50 – Algae ->1,000.00 mg/l 24 h

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No bio accumulation is to be expected (log <=4)

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% and higher.

12.6 Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

UN No. (ADR/RID/ADN)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950

14.2 UN proper shipping name

Proper shipping name – AEROSOLS

14.3 Transport hazard class(es)

ADR/RID/ADN class	2.1
ADR/RID/ADN class	Class 2: Gases
ADR Label No	2.1
IMDG Class	2.1
ICAO Class/division	2.1
CEFIC TEC® No	20GSF
Air Class	2.1
UK Road Class	2.1
Transport labels	L.Q.



14.4 Packing Group

Not Applicable

14.5 Environmental Hazards

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Dangerous for the environment

No

Marine pollutant

No

Other information

No supplementary information available

14.6 Special Precautions for user

Overland Transport

Classification Code (ADR):	5F	
Special Provisions (ADR):		190,327,344,625
Limited Quantities (ADR):		1I
Excepted Quantities (ADR):		E0
Packing Instructions (ADR):		P207,LP02
Special Packing provisions (ADR):		PP87, RR6, L2
Mixed Packing provisions (ADR):		MP9
Transport Strategy (ADR):		2
Special provisions for carriage – Packages (ADT)		V14
Special Provisions for carriage – Loading, unloading and handling (ADR):		CV9, CV12
Special provisions for carriage – Operation (ADR):		S2
Tunnel Restriction Code:		D

Transport by Sea

Special Provisions (IMDG):		63,190,277,327,344,959
Limited Quantities (IMDG):		SP277
Excepted Quantities (IMDG):		E0
Packing Instructions (IMDG):		P207,LP02
Special Packing provisions (IMDG):		PP87,L2
EmS-No (Fire):		F-D
EmS-No (Spillage):		S-U
Stowage category (IMDG):		None
Stowage and Handling (IMDG):		SW1,SW22
Segregation (IMDG):		SG69
MFAG-No:		126

Air Transport

PCA Excepted Quantities (IATA):		E0
PCA Limited Quantities (IATA):		Y203
PCA Limited Quantity max net quantity (IATA):		30KgG
PCA Packing instructions (IATA):		203
PCA max net quantity (IATA):		75Kg
CAO packing instructions (IATA):		203
CAO max net quantity (IATA):		150Kg
Special provisions (IATA):		A145,A167,A802
ERG Code (IATA):		10L

Inland Waterway Transport

Classification Code (ADN):	5F	
Special Provisions (ADN):		190,327,344,625
Limited Quantities (ADN):		1 L
Excepted Quantities (ADN):		E0
Equipment required (ADN):		PP,EX,A
Ventilation (ADN):		VE01,VE04
Number of blue cones/lights (ADN):		1

Rail Transport

Classification Code (RID):	5F	
Special Provisions (RID):		190,327,344,625
Limited Quantities (RID):		1L
Excepted Quantities (RID):		E0
Packing Instructions (RID):		P207,LP02

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Special Packing provisions (RID): PP87,RR6,L2

Mixed Packing provisions (RID): MP9

Transport Category (RID): 2

Special Provisions for carriage – Packages (RID): W14

Special Provisions for carriage – Loading, unloading and handling (RID): CW9, CW12

Colis Express (express parcels) (RID): CE2

Hazard Identification No (RID): 23

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

Not applicable

SECTION 15: REGULATORY INFORMATION

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

Statutory instruments

The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716). Control of substances hazardous to health.

Approved code of practice.

Classification and labelling of substances and preparations dangerous for supply. Safety data sheets for substances and preparations.

Guidance notes

Workplace exposure limits EH40. Introduction to Local exhaust ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation

Dangerous substance directive 67/548/EEC. Dangerous preparations directive 1999/45/EC. 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), establishing a European Chemicals agency, amending directive 1999/45/EC and repealing council regulation (EEC) No 793/93 and commission regulation (EC) No 1488/94 as well as council directive 76/769/EEC and commission directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2 Chemical safety assessment

A chemical safety assessment was not carried out for this product,.

SECTION 16: OTHER INFORMATION

General information

This product should be used as directed. For further information consult the product data sheet or contact technical services.

Information sources

This safety data sheet was compiled using current safety information supplied by distributor raw materials.

Risk phrases in full

Eye Irrit 2	Eye irritant Category 2
STOT SE 3	Specific Target Organ Toxicity – Single Exposure – Category 3
Flam Gas 1	Flammable gas Category 1
Flam Liq (Cat 2)	Flammable Liquid Category 2

ISSUE: Issue 1

Last reviewed: JANUARY 2021

DISCLAIMER

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Due to different materials used, as well as to varying working conditions, production techniques, and the requirements of the end users, all of which are beyond our control, we strongly recommend that thorough and extensive trials are carried out in order to test the suitability of our products with regard to the required processes and applications. This should, where appropriate, also include an ageing test.

It is also the responsibility of the purchaser and end user of this product to ensure that all appropriate actions necessary for the protection of the environment, and for the health and safety of their employees are observed.

This datasheet replaces all former versions