



# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.03.2013

Version number 1

Revision: 27.03.2013

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

### 1.1 Product identifier

**Trade name:** JAX Electrical Contact Cleaner Non- Flammable Formula (Aerosol)

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

**Application of the substance / the preparation:** Cleaning agent.

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

JAX INC.

W134 N5373 CAMPBELL DRIVE

MENOMONEE FALLS, WI 53051 USA

Tel: +01-262-781-8850

Fax: +01-262-781-3906

**Further information obtainable from:**

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### 1.4 Emergency telephone number

UK - National Poisons Emergency: +44 870 600 6266 (24h - health professionals only).

Ireland - National Poisons Information Centre: +353 1 8379964.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Eye Irrit. 2 H319 Causes serious eye irritation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**



GHS07

**Signal word:** Warning

**Hazard statements:**

H319 Causes serious eye irritation.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

30.0 % by mass of the contents are flammable

**Precautionary statements:**

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

| Hazardous components:   |  |         |
|---|--|---------|
| CAS: 811-97-2<br>EINECS: 212-377-0                              | 1,1,1,2-Tetrafluorethan<br>substance with a Community workplace exposure limit                 | 50-100% |
| CAS: 67-63-0<br>EINECS: 200-661-7<br>Index number: 603-117-00-0 | Propan-2-ol<br>Xi R36; F R11<br>R67<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | 10-25%  |
| CAS: 67-64-1<br>EINECS: 200-662-2<br>Index number: 606-001-00-8 | acetone<br>Xi R36; F R11<br>R66-67<br>Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336  | 10-25%  |

**Additional information:** For the wording of the listed risk phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****After inhalation:** Supply fresh air. Consult a doctor if symptoms persist.**After skin contact:** Immediately wash with water and soap and rinse thoroughly.**After eye contact:**

Remove contact lenses, if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Call for a doctor immediately.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.**For safety reasons unsuitable extinguishing agents:** Water with full jet.**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3 Advice for firefighters****Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources.

Wear protective equipment. Keep unprotected persons away.

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Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling** Keep away from heat and direct sunlight.**Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

**7.2 Conditions for safe storage, including any incompatibilities****Requirements to be met by storerooms and receptacles:**

Store in a cool, dry place in tightly closed receptacles.

Observe official regulations on storing packagings with pressurized containers.

**Information about storage in one common storage facility:** Store away from oxidizing agents.**7.3 Specific end use(s):** No further relevant information available.**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:****811-97-2 1,1,1,2-Tetrafluorethan**WEL (Great Britain) Long-term value: 4240 mg/m<sup>3</sup>, 1000 ppm**67-63-0 Propan-2-ol**WEL (Great Britain) Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm  
Long-term value: 999 mg/m<sup>3</sup>, 400 ppm**67-64-1 acetone**WEL (Great Britain) Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm  
Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm  
IOELV (EU) Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

**Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.**Protection of hands:**

Protective gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

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Safety glasses with side-shields (EN 166).

**Body protection:** Protective work clothing.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

**Form:** Aerosol.  
**Colour:** Colourless.

**Odour:** Alcohol-like  
**Odour threshold:** Not determined.

**pH-value:** Not determined.

**Melting point/Melting range:** Not determined.

**Boiling point/Boiling range:** Not applicable, as aerosol.

**Flash point:** Not applicable, as aerosol.

**Flammability (solid, gaseous):** Not applicable.

**Ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** Not determined.  
**Upper:** Not determined.

**Oxidizing properties** Not determined.

**Vapour pressure:** Not determined.

**Density:** Not determined.

**Relative density** Not determined.

**Vapour density** Not determined.

**Evaporation rate** Not applicable.

**Solubility in / Miscibility with water:** Not determined.

**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**

**Dynamic:** Not determined.  
**Kinematic:** Not determined.

**9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity** No data available.

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**Trade name:** JAX Electrical Contact Cleaner Non- Flammable Formula (Aerosol)**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.**10.4 Conditions to avoid** Keep away from heat and direct sunlight.**10.5 Incompatible materials** Avoid strong oxidants, strong alkalis and strong acids.**10.6 Hazardous decomposition products** Carbon monoxide and carbon dioxide.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values:****67-63-0 Propan-2-ol**

|            |         |                      |
|------------|---------|----------------------|
| Oral       | LD50    | 5045 mg/kg (Rat)     |
| Dermal     | LD50    | 12800 mg/kg (Rabbit) |
| Inhalative | LC50/4h | 30 mg/L (Rat)        |

**67-64-1 acetone**

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 5800 mg/kg (Rat)     |
| Dermal | LD50 | 20000 mg/kg (Rabbit) |

**Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation:** Do not allow product to reach sewage system.**Uncleaned packaging****Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN Number**

ADR, IMDG, IATA

UN1950

**14.2 UN proper shipping name**

ADR

1950 AEROSOLS

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**Trade name:** JAX Electrical Contact Cleaner Non- Flammable Formula (Aerosol)**IMDG**

AEROSOLS

**IATA**

AEROSOLS, non-flammable

**14.3 Transport hazard class(es)****ADR****Class**

2 5A Gases.

**Label**

2.2

**IMDG, IATA****Class**

2.2

**Label**

2.2

**14.4 Packing group****ADR, IMDG, IATA**

Not applicable.

**14.5 Environmental hazards****Marine pollutant:**

No

**14.6 Special precautions for user**

Warning: Gases.

**Danger code (Kemler):**

-

**EMS Number:**

F-D,S-U

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

**Transport/Additional information:****ADR****Tunnel restriction code:**

E

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

**15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

R11 Highly flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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**Trade name:** JAX Electrical Contact Cleaner Non- Flammable Formula (Aerosol)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent