



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.07.2016

Version number 1

Revision: 12.07.2016

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

#### 1.1 Product identifier

**Trade name:** JAX Power-Pen (Aerosol)

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

##### Application of the substance / the preparation:

Lubricant where there is no possibility of contact with food.

#### 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:

REACH Only Representative  
B-Lands Consulting  
WTC, 5 Place Robert Schuman, BP 1516, 38025 Grenoble, France  
Tel: +33 476 230 627  
services@reachteam.eu  
www.reachteam.eu

#### 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

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

#### 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:



GHS02

**Signal word:** Danger

##### Hazard statements:

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

##### Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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**Trade name:** JAX Power-Pen (Aerosol)**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**

<b>Hazardous components:</b>		
CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4 RTECS: WJ 8925000	Stoddard solvent* ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304	10-25%
CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304	10-25%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 RTECS: TX 2275000	Propane ----- Flam. Gas 1, H220; Press. Gas, H280	10-25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 RTECS: EJ 4200000	Butane ----- Flam. Gas 1, H220; Press. Gas, H280	2.5-10%

**Additional information:**

\*Contains less than 0.1 % w/w benzene (EC: 200-753-7).

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 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.

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## 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.

### 6.2 Environmental precautions

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:

##### 106-97-8 Butane

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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**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.

Use respirators and components tested and approved under appropriate standards such as CEN (Central European Norms).

#### Protection of hands:



Protective gloves

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

**Eye protection:**

Tightly sealed goggles (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:** Amber coloured.

**Odour:** Petroleum-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):** Extremely flammable liquefied gas.**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:** 0.80 - 0.82 g/cm<sup>3</sup>**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 Power-Pen (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** No further relevant information available.**10.6 Hazardous decomposition products**

Formation of toxic gases is possible during heating or in case of fire.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****LD/LC50 values:****106-97-8 Butane**

Inhalative	LC50/4h	658 mg/L (Rat)
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**Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** No irritating effect known.**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.**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**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

IMDG

AEROSOLS

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IATA AEROSOLS, flammable

**14.3 Transport hazard class(es)**

ADR



**Class** 2 5F Gases.  
**Label** 2.1

IMDG, IATA



**Class** 2.1  
**Label** 2.1

**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:** D

## 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**

H220 Extremely flammable gas.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

**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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent