



Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 06.07.2016

Version number 1

Revision: 06.07.2016

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

1.1 Product identifier

Trade name: JAX Peel-Off Degreaser (Aerosol)

Product Code(s): JAX211

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

Application of the substance / the preparation:

Cleaning agent, 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
E-mail: patty@jax.com
Web: www.jax.com

Further information obtainable from:

REACH Only Representative
B-Lands Consulting
WTC, 5 Place Robert Schuman, BP 1516
38025 Grenoble, FRANCE
Tel: +33 476 295 869
Fax: +33 476 295 870
Email: europa@reach-compliance.eu
Web: www.reachteam.eu

1.4 Emergency telephone number(s):

NHS Direct: 111 (England and Scotland), 0845 46 47 (Wales).
National Poisons Information Service (NPIS): 0344 892 0111 (healthcare professionals only).
Ireland - National Poisons Information Centre: 01 837 9964 or 01 809 2566 (healthcare professionals only).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

	H229	Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Carc. 2	H351	Suspected of causing cancer.
Repr. 1B	H360FD	May damage fertility. May damage the unborn child.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

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 GHS08 GHS09

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Trade name: JAX Peel-Off Degreaser (Aerosol)**Signal word:** Danger**Hazard-determining components of labelling:**

1-bromopropane
 d-Limonene
 1,2-epoxybutane

Hazard statements:

H229 Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H351 Suspected of causing cancer.
 H360FD May damage fertility. May damage the unborn child.
 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P251 Do not pierce or burn, even after use.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Restricted to professional users.
 95.0 % by mass of the contents are flammable

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: 106-94-5 EINECS: 203-445-0 Index number: 602-019-00-5	1-bromopropane Flam. Liq. 2, H225; Repr. 1B, H360FD; STOT RE 2, H373; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335-H336	50-100%
CAS: 8028-48-6	d-Limonene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	1-<5%
CAS: 71-23-8 EINECS: 200-746-9 Index number: 603-003-00-0	propan-1-ol Flam. Liq. 2, H225; Eye Dam. 1, H318; STOT SE 3, H336	1-<2.5%

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Trade name: JAX Peel-Off Degreaser (Aerosol)

CAS: 75-65-0 EINECS: 200-889-7 Index number: 603-005-00-1	2-methylpropan-2-ol Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	0.1-<2.5%
CAS: 106-88-7 EINECS: 203-438-2 Index number: 603-102-00-9	1,2-epoxybutane Flam. Liq. 2, H225; Carc. 2, H351; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	1-<2.5%

SVHC

106-94-5 | 1-bromopropane

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****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in the recovery position.

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: Do not induce vomiting; call for medical help 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:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**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.

6.2 Environmental precautions

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.

Ensure adequate ventilation.

Dispose contaminated material as waste according to item 13.

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Trade name: JAX Peel-Off Degreaser (Aerosol)**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.

Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection: Keep respiratory protective device available.**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 pressurised containers.

Information about storage in one common storage facility: Store away from oxidising agents.**Further information about storage conditions:** Keep container tightly sealed.**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:****71-23-8 propan-1-ol**

WEL (Great Britain)	Short-term value: 625 mg/m ³ , 250 ppm Long-term value: 500 mg/m ³ , 200 ppm Sk
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75-65-0 2-methylpropan-2-ol

WEL (Great Britain)	Short-term value: 462 mg/m ³ , 150 ppm Long-term value: 308 mg/m ³ , 100 ppm
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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.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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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Trade name: JAX Peel-Off Degreaser (Aerosol)**Eye protection:**

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: Clear.

Odour: Citrus.**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.

Oxidising properties: Not determined.**Vapour pressure:** Not determined.**Density:** Not determined.**Relative density:** 1.32**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 Peel-Off Degreaser (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:		
106-94-5 1-bromopropane		
Inhalative	LC50/4h	253 mg/L (Rat)
71-23-8 propan-1-ol		
Oral	LD50	1870 mg/kg (Rat)
Dermal	LD50	5040 mg/kg (Rabbit)
75-65-0 2-methylpropan-2-ol		
Oral	LD50	3500 mg/kg (Rat)
106-88-7 1,2-epoxybutane		
Oral	LD50	500 mg/kg (Rat)
Dermal	LD50	2100 mg/kg (Rabbit)

Primary irritant effect:**Skin corrosion/irritation:**

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

Carc. 2, Repr. 1B

Germ cell mutagenicity: Based on available data, the classification criteria are not met.**Carcinogenicity:**

Suspected of causing cancer.

Reproductive toxicity:

May damage fertility. May damage the unborn child.

STOT-single exposure:

May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Based on available data, the classification criteria are not met.**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.

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Trade name: JAX Peel-Off Degreaser (Aerosol)**Ecotoxicological effects:****Remark:** Toxic for fish**Additional environmental information:****General notes:**

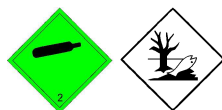
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.
 Danger to drinking water if even extremely small quantities leak into the ground.
 Also poisonous for fish and plankton in water bodies.
 Toxic for aquatic organisms

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.
 Packaging that may not be cleansed must be disposed of in the same manner as the product.

SECTION 14: Transport information**14.1 UN Number****ADR, IMDG, IATA**

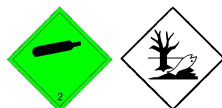
UN1950

14.2 UN proper shipping name**ADR**1950 AEROSOLS, ENVIRONMENTALLY
HAZARDOUS**IMDG****IATA**AEROSOLS (d-Limonene), MARINE POLLUTANT
AEROSOLS, non-flammable**14.3 Transport hazard class(es)****ADR****Class**

2 5A Gases.

Label

2.2

IMDG**Class**

2.2

Label

2.2

IATA**Class**

2.2

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Label	2.2
14.4 Packing group ADR, IMDG, IATA	Not applicable.
14.5 Environmental hazards	Product contains environmentally hazardous substances: d-Limonene
Marine pollutant:	Yes
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	
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Tunnel restriction code:	E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

SECTION 15: Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients are listed.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

106-94-5	1-bromopropane
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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.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H360FD	May damage fertility. May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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Trade name: JAX Peel-Off Degreaser (Aerosol)**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 Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

: Flammable aerosols, Hazard Category 3

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 1B: Reproductive toxicity, Hazard Category 1B

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3