



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.02.2019

Version number 1

Revision: 06.02.2019

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

1.1 Product identifier

Trade name: JAX Halo-Guard FG-LT

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

Application of the substance / the preparation: Lubricant.

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

Aquatic Chronic 3 H412 Harmful 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: Not applicable.

Signal word: Not applicable.

Hazard statements:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Contains Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts., Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts, Sulfonic acids, petroleum, calcium salts.. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components:		
CAS: 68584-23-6 EINECS: 271-529-4 Reg.nr.: 01-2119492627-25-0001	Benzenesulfonic acid, C10-16-alkyl derivatives, calcium salts. ----- Skin Sens. 1, H317	≥2.5-<10%
CAS: 471-34-1 EINECS: 207-439-9	calcium carbonate substance with a Community workplace exposure limit	≥0.1-<5%
CAS: 26264-06-2 EINECS: 247-557-8	Calcium dodecylbenzene sulphonate. ----- Eye Dam. 1, H318; Skin Irrit. 2, H315	≥1-<3%
CAS: 68411-46-1 EINECS: 270-128-1 Reg.nr.: 01-2119491299-23-0002	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene ----- Aquatic Chronic 3, H412	≥0.1-<2.5%
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7	Zinc oxide ----- Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<2.5%
CAS: 70024-69-0 Reg.nr.: 01-2119492616-28-0004	Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts ----- Skin Sens. 1B, H317	≥0.1-<1%
CAS: 61789-86-4 EINECS: 263-093-9 Reg.nr.: 01-2119488992-18-0001	Sulfonic acids, petroleum, calcium salts. ----- Skin Sens. 1B, H317	≥2.5-<10%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Move patient to fresh air, if symptoms persist consult a doctor.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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

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

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Keep away from ignition sources.
Use personal protective equipment.

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

6.3 Methods and material for containment and cleaning up

Retrieve the product by mechanical means.

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: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in a cool, dry location in well sealed receptacles.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions: None.

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:

471-34-1 calcium carbonate

WEL (INHALABLE DUST) (GB)	Long-term value: 10 mg/m ³
WEL (RESPIRABLE) (GB)	Long-term value: 4 mg/m ³

DNELs

68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Dermal	DNEL (EC) - Long-term exposure - systemic effects	0.62 mg/kg (workers)
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PNECs

68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

PNEC	0.051 mg/L (Fish)
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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.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

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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.

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: Paste.
Colour: White.

Odour: Aromatic.
Odour threshold: Not determined.
pH-value: Not determined.

Melting point/freezing point: Not determined.**Initial boiling point and boiling range:** Not determined.**Flash point:** > 180 °C**Flammability (solid, gas):** Not applicable.**Ignition temperature:** Not determined.**Decomposition temperature:** Not determined.**Explosive properties:** 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:** 0.95-1.05**Vapour density:** Not determined.**Evaporation rate:** Not determined.**Solubility in / Miscibility with****Water:** Not determined.**Partition coefficient: n-octanol/water:** Not determined.**Viscosity:**

Dynamic: Not determined.
Kinematic: Not determined.

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No further relevant information available.

SECTION 10: Stability and reactivity**10.1 Reactivity** No data available.**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**

Toxic metal compounds

Sulphur oxides (SO_x).Nitrogen oxides (NO_x)

Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values:****471-34-1 calcium carbonate**

Oral | LD50 | 6,450 mg/kg (Rat)

68411-46-1 Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Oral | LD50 | >2,000 mg/kg (Rat) (OECD Test Guideline 401)

1314-13-2 Zinc oxide

Oral | LD50 | >5,000 mg/kg (Rat)

61789-86-4 Sulfonic acids, petroleum, calcium salts.

Oral | LD50 | >5,000 mg/kg (Rat) (OECD 401)

Primary irritant effect:**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):****Germ cell mutagenicity:** Based on available data, the classification criteria are not met.**Carcinogenicity:** Based on available data, the classification criteria are not met.**Reproductive toxicity:** Based on available data, the classification criteria are not met.**STOT-single exposure:** Based on available data, the classification criteria are not met.**STOT-repeated exposure:** Based on available data, the classification criteria are not met.**Aspiration hazard:** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****1314-13-2 Zinc oxide**

LC50/96h | 0-1 mg/L (Fish)

IC50/72h | 0.17 mg/L (Pseudokirchneriella Subcapitata)

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Trade name: JAX Halo-Guard FG-LT**61789-86-4 Sulfonic acids, petroleum, calcium salts.**

LC50/96h >10,000 mg/L (Fish) (OECD 203)

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.**Ecotoxicological effects:****Remark:** Harmful to fish**Additional environmental information:****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.

Harmful to 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 in accordance with official regulations.**SECTION 14: Transport information****14.1 UN Number**

ADR, ADN, IMDG, IATA Not applicable.

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA Not applicable.

14.3 Transport hazard class(es)ADR, ADN, IMDG, IATA
Class Not applicable.**14.4 Packing group**

ADR, IMDG, IATA Not applicable.

14.5 Environmental hazards**Marine pollutant:** No**14.6 Special precautions for user** Not applicable.**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

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.

Directive 2012/18/EU**Named dangerous substances - ANNEX I** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

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Trade name: JAX Halo-Guard FG-LT**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

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3