JAX Halo-Guard FG-00

Version 1.4 | Revision Date 26.08.2016 | Print Date 26.08.2016

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : JAX Halo-Guard FG-00

Substance name : Grease

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

Use of the Substance/Mixture : Lubricant

Recommended restrictions on use : For industrial use only.

1.3 Details of the supplier of the safety data sheet

Company**:**

Manufacturer/Supplier:
JAX INC.
W134 N5373 CAMPBELL DRIVE
MENOMONEE FALLS, WI 53051 USA
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Customer Service:
Prepared by

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1.4 Emergency telephone number

Emergency telephone number**:**

UK - National Poisons Emergency: +44 870 600 6266 (24h - health professionals only).
Ireland - National Poisons Information Centre: +353 1 8379964.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 — H319: Causes serious eye irritation.

Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word : Warning

Hazard statements :

H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements :

Precautionary statements :

Prevention:

P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear eye protection/ face protection.

Response:

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.

Disposal:

P501	Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH208 Contains: Sulfonic acids, petroleum, calcium salts, Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts. May produce an allergic reaction.

2.3 Other hazards

Do not handle until all safety precautions have been read and understood.

3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number		Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
zinc oxide	1314-13-2 215-222-5		Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 1 - < 2,5
Benzene, mono-C10-13-alkyl derivs., fractionation bottoms, heavy ends, sulfonated, calcium salts	148520-84-7		Eye Irrit. 2; H319	>= 1 - < 10
calcium dodecylbenzenesulphonate	26264-06-2 247-557-8		Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 3
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1 270-128-1		Aquatic Chronic 3; H412	>= 1 - < 10
Sulfonic acids, petroleum, calcium salts	61789-86-4 263-093-9		Skin Sens. 1B; H317	>= 0,1 - < 1
Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts	156105-31-6		Skin Sens. 1B; H317	>= 0,1 - < 1

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

If inhaled : Remove to fresh air.
If symptoms persist, call a physician.

In case of skin contact : Wash off with warm water and soap.
If skin irritation persists, call a physician.

In case of eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Get medical attention immediately.

If swallowed : Do NOT induce vomiting.
Obtain medical attention.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO2)
Dry powder
Foam

Unsuitable extinguishing media : Water spray

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus (EN 133)
Full protective flameproof clothing

Further information : Cool containers/tanks with water spray.
Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear suitable protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Prevent leaks and prevent soil / water pollution caused by leaks.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Scrape up.
Shovel into suitable container for disposal.
Large spills should be collected mechanically (remove by pumping) for disposal.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not use in areas without adequate ventilation.
Avoid inhalation, ingestion and contact with skin and eyes.
Wear suitable protective equipment.
Keep container closed when not in use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.

Other data : Stable under normal conditions.

7.3 Specific end use(s)

Specific use(s) : Raw material for industry

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene :
End Use: Workers
Exposure routes: Skin contact
Potential health effects: Chronic effects, Systemic effects
Value: 0,62 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Chronic effects, Systemic effects
Value: 4,37 mg/m3

End Use: General exposures
Exposure routes: Skin contact
Potential health effects: Chronic effects, Systemic effects
Value: 0,31 mg/kg

End Use: General exposures
Exposure routes: Inhalation
Potential health effects: Chronic effects, Systemic effects
Value: 1,09 mg/m3

End Use: General exposures
Exposure routes: Ingestion
Potential health effects: Chronic effects, Systemic effects
Value: 0,31 mg/kg

PNEC

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	:	Fresh water Value: 0,051 mg/l Marine water Value: 0,0051 mg/l Fresh water sediment Value: 9320 mg/kg Marine sediment Value: 932 mg/kg Soil Value: 1860 mg/kg STP Value: 1 mg/l

8.2 Exposure controls

Engineering measures

Ensure that eyewash stations and safety showers are close to the workstation location.
Effective exhaust ventilation system

Personal protective equipment

Respiratory protection	:	In the case of vapour formation use a respirator with an approved filter.
Hand protection	:	Impervious gloves Replace when worn.
Eye protection	:	Safety glasses with side-shields

Skin and body protection	:	impervious clothing
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice	:	Prevent leaks and prevent soil / water pollution caused by leaks.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	paste
Colour	:	white
Odour	:	aromatic
Odour Threshold	:	No information available.
Flash point	:	> 180 °C Method: open cup
Ignition temperature	:	No information available.
Lower explosion limit	:	No information available.
Upper explosion limit	:	No information available.
Flammability (solid, gas)	:	No information available.
Auto-ignition temperature	:	No information available.
pH	:	No information available.
Melting point/range	:	Note: not determined
Boiling point/boiling range	:	Note: not determined
Vapour pressure	:	Not applicable
Density	:	No information available.
Relative density	:	0,95 - 1,05

		at
Water solubility	:	negligible
Partition coefficient: n-octanol/water	:	Pow: log Pow: No data available
Solubility in other solvents	:	No information available.
Viscosity, kinematic	:	Note: Not applicable
Relative vapour density	:	No information available.
Evaporation rate	:	No information available.

9.2 Other information

Oxidising potential	:	Note: No information available.

10. Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Conditions to avoid	:	Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation. Exposure to moisture.

10.5 Incompatible materials

Materials to avoid	:	Strong acids and strong bases Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products	:	Carbon oxides Metal oxides Nitrogen oxides (NOx) Sulphur oxides

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	:	Remarks: Not classified due to lack of data.
Acute oral toxicity zinc oxide	:	LD50: > 8.437 mg/kg Species: Rat
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	:	LD50: > 2.000 mg/kg Species: Rat Method: OECD Test Guideline 401
Sulfonic acids, petroleum, calcium salts	:	LD50: > 5.000 mg/kg Species: Rat Method: OECD Test Guideline 401
Acute inhalation toxicity	:	Remarks: Not classified due to lack of data.
Acute dermal toxicity	:	Remarks: Not classified due to lack of data.
Acute dermal toxicity calcium dodecylbenzenesulphonate	:	LD50: > 4.199 mg/kg Species: Rabbit Remarks: Information given is based on data obtained from similar substances.
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	:	LD50: > 2.000 mg/kg Species: Rat
Sulfonic acids, petroleum, calcium salts	:	LD50: > 4.000 mg/kg Species: Rabbit Method: OECD Test Guideline 402

Skin corrosion/irritation

Skin irritation calcium dodecylbenzenesulphonate	:	Species: Rabbit Result: Skin irritation Exposure time: 4 h Remarks: Information given is based on data obtained from similar substances.
Benzenamine, N-phenyl-,	:	Species: Rabbit

reaction products with 2,4,4-trimethylpentene	Result: No skin irritation Method: OECD Test Guideline 404

Serious eye damage/eye irritation

Eye irritation	:	Remarks: Irritating to eyes.
Eye irritation calcium dodecylbenzenesulphonate	:	Species: Rabbit Result: Risk of serious damage to eyes. Remarks: Information given is based on data obtained from similar substances.
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	:	Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Sensitisation Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	:	Species: Guinea pig Classification: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 406
Sulfonic acids, petroleum, calcium salts	:	Result: The product is a skin sensitiser, sub-category 1B.
Benzenesulfonic acid, mono-C20-24-alkyl derivs., calcium salts	:	Result: The product is a skin sensitiser, sub-category 1B.

Mutagenicity Assessment

Remarks	:	Not classified due to lack of data.

Carcinogenicity Assessment

Remarks	:	Not classified due to lack of data.

Reproductive toxicity Assessment

Remarks	:	Not classified due to lack of data.

Target Organ Systemic Toxicant - Single exposure

: Remarks: Not classified due to lack of data.

Target Organ Systemic Toxicant - Repeated exposure

: Remarks: Not classified due to lack of data.

Aspiration hazard

Aspiration toxicity : No aspiration toxicity classification

Toxicology Assessment

Further information : The product itself has not been tested.

12. Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
No data available

Toxicity to fish
zinc oxide : LC50: 1,1 mg/l
Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

calcium dodecylbenzenesulphonate : LC50: 22 mg/l
Exposure time: 96 h

Species: Pimephales promelas (fathead minnow)
static test Analytical monitoring: no
Method: OECD Test Guideline 203
Remarks:
Information given is based on data obtained from similar substances.

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene : LC50: > 71 mg/l
Exposure time: 96 h

Species: Danio rerio (zebra fish)
Method: OECD Test Guideline 203

Sulfonic acids, petroleum, calcium salts : LC50: > 10.000 mg/l
Exposure time: 96 h

Species: Cyprinodon variegatus (sheepshead minnow)
static test Method: OECD Test Guideline 203

M-Factor : 1

(Acute Aquatic toxicity)
zinc oxide

12.2 Persistence and degradability

Biodegradability	:	Result: No data available
Biodegradability calcium dodecylbenzenesulphonate	:	Result: Readily biodegradable. Testing period: 28 d Remarks: Information given is based on data obtained from similar substances.
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	:	Result: According to the results of tests of biodegradability this product is not readily biodegradable. Method: CO2 Evolution Test
Sulfonic acids, petroleum, calcium salts	:	aerobic Result: Not readily biodegradable. 8,6 %

12.3 Bioaccumulative potential

Bioaccumulation	:	Remarks: No data available
Bioaccumulation calcium dodecylbenzenesulphonate	:	Species: Lepomis macrochirus (Bluegill sunfish) Exposure time: 21 d Bioconcentration factor (BCF): 104

12.4 Mobility in soil

Mobility	:	Remarks: 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% or higher.

12.6 Other adverse effects

Additional ecological	:	The product itself has not been tested.

information

Additional ecological information

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

13.1 Waste treatment methods

Product	:	In accordance with local and national regulations. Dispose of wastes in an approved waste disposal facility.

14. Transport information

ADR
Not dangerous goods

IATA
Not dangerous goods

IMDG
Not dangerous goods

RID
Not dangerous goods

15. Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
Major Accident Hazard Legislation	:	96/82/EC Update: 2003 Directive 96/82/EC does not apply
Water contaminating class (Germany)	:	WGK 2 water endangering self classification

Notification status

US.TSCA	:	On TSCA Inventory
DSL	:	This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.
AICS	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
ENCS	:	On the inventory, or in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment
No information available.

16. Other information

Full text of H-Statements referred to under sections 2 and 3.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.