

Joluka Shutter Release Oil

Material Safety Data Sheet

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

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Product Name : **Joluka Shutter Release Oil**
Mineral Based Mould Release Agent

2. HAZARDS IDENTIFICATION

Classification of Substance or Mixture

Type of product : Mixture

Classification

Acute Oral Toxicity : Category 5
Skin Irritation : Category 3
Eye Irritation : Category 2B
Aquatic Toxicity : Category 2

Health Hazard Statements:

H303 May be harmful if swallowed
H316 Causes mild skin irritation
H320 Causes eye irritation

Environmental Hazard Statements:

H400 Very toxic to aquatic life

Hazard Symbol(s):



Signal Word: WARNING

Precautionary Statements:**Prevention:**

P264 Wash hands thoroughly after handling

P273 Avoid release into environment

P280 Wear protective gloves/clothing and eye/face protection

Response:

P302 + P352 If on skin: Wash with plenty of water

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

P332+P313 If skin irritation occurs: Get medical advice/attention.

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

P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal:

P501: Dispose of contents/container in accordance with applicable regulations.

Other Hazards:

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature : Mixture

Component	CAS #	Concentration W/W %
Hydrotreated Light Napthenic Distillate	64742-53-6	80 - 100

4. FIRST AID MEASURES

General advice:	Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance. Do not leave the victim unattended.
Inhalation:	In the event of a negative reaction to inhalation. Remove affected person to fresh air and allow to recover. If irritation or reaction persists, seek medical attention.
Skin contact:	Rinse thoroughly with water. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, if irritation occurs consult an eye specialist.
Ingestion:	Rinse mouth and then drink 200-300 ml of water. Do not induce vomiting unless told to by a poison control center or doctor
Most important effects, both acute and delayed:	None expected.
Notes to physician:	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Foam
 Water spray
 Dry powder
 Carbon dioxide (CO₂)

Specific hazards during firefighting

Do not allow run-off from firefighting to enter drains or water courses.

Hazardous decomposition products

Fumes, smoke, carbon monoxide, sulphur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Special Protective Equipment and Fire Fighting Instructions

Wear self-contained breathing apparatus for firefighting if necessary for firefighters. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment.
 Avoid contact with skin and eyes.

Environmental Precautions: Do not release untreated into natural waters.

Methods and Materials for Containment and Cleaning Up:

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product. Use suitable absorbent material to soak up residues before collection and disposal according to local regulations.

7. HANDLING AND STORAGE

Handling:

Keep containers closed when not in use. Wear appropriate personal protective equipment as discussed in this SDS. Wash thoroughly after handling. Empty containers contain residue, which may exhibit hazards of product.

Storage:

Suitable storage materials are; Steel, polyethylene, and glass. Protect against extremes of temperature - do not store in direct sunlight, or near open flames. Product should not be stored at temperatures below 0°C and above 40 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Components with exposure limits in the workplace:

Component	CAS #	Limits
Hydrotreated Light Napthenic Distillate	64742-53-6	ACGIH-TLV -Oil Mist; Respirable TWA LSTEL 5mg/m ³ TWA STEL 10mg/m ³

LTEL: Long Term Exposure Limits – Time Weight Average (TWA) over 8 hours

STEL: Short Term Exposure Limits – Time Weight Average (TWA) over 15 minutes

Engineering measures

Use local exhaust ventilation if mists or vapours are generated during machine operation. This product is not expected to produce large amounts of mists. Use with adequate ventilation. Avoid breathing spray formed during machine operations.

Personal protective equipment

Hand protection: Gloves

Respiratory Protection:

Approved respiratory equipment must be used when mist concentrations exceed the recommended exposure limits.

Eye protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Protective Measures: Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice

Hygiene Measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Amber
Odour:	N/A
Relative Density:	+/- 0.87
Boiling Point:	>260° C
Upper/lower flammability/explosive limits:	N.A.
Vapour density:	Not determined
Flash point:	>140 °C
Upper Explosion Limit (UEL):	7 %(V)
Lower Explosion Limit (LEL):	0.9 %(V)
Evaporation rate:	Not determined
Vapour pressure:	<0,1 kPa (23°C)
Miscibility with water:	Not miscible
Miscibility with solvents:	Miscible with most organic solvents

10. STABILITY AND REACTIVITY

Reactivity:

No hazardous reactions if stored and handled as prescribed/indicated.

Stability:

Stable under normal conditions.

Chemical Stability: Product is chemically stable

Conditions to Avoid: See SDS section 7 - Handling and storage.

Incompatible Materials: Strong oxidising agents.

Hazardous decomposition products:

Fumes, smoke, carbon monoxide, sulphur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

(Rats): Practically non-toxic (LD50: Greater than 2000 mg/kg).

Based on testing of similar products and/or components.

Acute dermal toxicity

(Rabbits): Practically non-toxic (LD50: greater than 2000 mg/kg).
Based on testing of similar products and/or the components.

Acute inhalation toxicity

Not applicable. Harmful concentrations of mists and/ or vapours are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

Skin irritation

(Rabbits): Practically non-irritating. (Primary Irritation Index: 0.5 or less).
Based on testing of similar products and/or the components.

Eye irritation

(Rabbits): Practically non-irritating. (Draize score: greater than 0 but 6 or less).
Based on testing of similar products and/or the components.

Respiratory and skin sensitization

This product was not a skin sensitizer when tested in a Modified Buehler Guinea Pig Sensitization Assay

Germ cell mutagenicity

The substance was not mutagenic in bacteria. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Carcinogenicity

Chronic mouse skin painting studies of severely solvent refined mineral base oils showed no evidence of carcinogenic effects

Reproductive toxicity

Negative in a series of genetic assays and teratological studies.

Specific target organ toxicity (single exposure)

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Severely solvent refined and severely hydrotreated mineral base oils have been tested at an Environmental and Health Sciences Laboratory by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

Aspiration hazard

No significant effects expected.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish : (Salmon) LC/EC₅₀: 8.1 mg/l at 96 hours.
Toxicity to aquatic organisms : (Daphnia magna) LC/EC₅₀: 6 mg/l at 48 hours.
: (Green algae) LC/EC₅₀: 9.4 mg/l at 8 hours.

Persistence and degradability

This product is expected to be inherently biodegradable at a slow to moderate rate.

Bio accumulative potential

Minimal owing to low water solubility.

Mobility in soil

Adsorption to sediment and soil will be the predominant behavior.

Further information on ecology

In the absence of specific environmental data for this product, this assessment is based on information for representative substances.

13. DISPOSAL CONSIDERATIONS

Waste from residues:

Dispose of in accordance with national, state and local regulations.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not discharge into drains/surface waters/groundwater.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product

14. TRANSPORT INFORMATION

Land transport

ADR : Not classified as a dangerous good under transport regulations
UN number: : Not applicable
UN proper shipping name: : Not applicable

Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

RID Not classified as a dangerous good under transport regulations
UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

Sea transport

IMDG Not classified as a dangerous good under transport regulations
UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

Air transport

IATA/ICAO Not classified as a dangerous good under transport regulations
UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

15. REGULATORY INFORMATION

US OSHA Hazard Communication Standard:

When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

Governmental Inventory Status:

All components comply with TSCA, EINECS/ELINCS, AICS, METI, DSL, KECI, ENCS, PICCS and IECSC.

EU Labelling:

Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labelling not required.

SARA:

U.S. Superfund Amendments and Reauthorization Act SARA Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) Reportable Hazard Categories : None

The following product ingredients are cited on the lists below:

Chemical Name	CAS No.	Concentration (%)	List Citations
Hydrotreated light naphthenic distillate	64742-53-6	80 - 100	Not listed

Regulatory List Searched

1 = ACGIH ALL 6 = IARC 1 11 = TSCA 4 17 = CA P65 22 = MI 293
 2 = ACGIH A1 7 = IARC 2A 12 = TSCA 5a2 18 = CA RTK 23 = MN RTK
 3 = ACGIH A2 8 = IARC 2B 13 = TSCA 5e 19 = FL RTK 24 = NJ RTK
 4 = NTP CARC 9 = OSHA CARC 14 = TSCA 6 20 = IL RTK 25 = PA RTK
 5 = NTP SUS 10 = OSHA Z 15 = TSCA 12b 21 = LA RTK 26 = RI RTK

Code Key: CARC = Carcinogen; SUS = Suspected Carcinogen

16. OTHER INFORMATION

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for purpose in respect to the use or

suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.

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