



Quality, service, and customer satisfaction is our driving force.



## MATERIAL SAFETY DATA SHEET

### 1. Chemical Product And Company Identification

Product Name	AFRIQ LUBE MOULD RELEASE EM		
Product Use	Release Oil		
Manufacturer	Afriq Lube and Services cc P.O. Box 263708 Three Rivers 1935	016 424 4630 (t) 016 424 4651 (f) <a href="mailto:afriqlube@telkomsa.net">afriqlube@telkomsa.net</a> (e)	

### 2. Composition / Information On Ingredients

Chemical Name	Cas- no.	Weight %	Symbol Codes	R-Phrase Numbers
Additives		5 %	None	Not Applicable
Natural Plant Oils		95 %	None	Not Applicable

See Section 15 for European Label Information  
See Section 8 for Exposure Limits (if applicable)

### 3. Hazards Identification

Emergency response data:	Brown Liquid. Material is combustible. DOT ERG No.128
Potential health effects	
Note	<b>DANGER!</b> Harmful if swallowed. Inhalation causes headaches, dizziness, drowsiness, nausea and may lead to unconsciousness. Causes eye irritation. Causes skin irritation.  Do not ingest. Avoid contact with eyes, skin and clothing. Do not breathe vapour or mist. Keep container closed. Use only with adequate ventilation. Low viscosity material if swallowed may enter the lungs and cause lung damage.
Routes of entry	Skin contact. Eye contact. Inhalation. Ingestion.

See Section 11 for further health effects / toxicological data



#### 4. First Aid Measures

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Skin contact	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Eye Contact	Flush thoroughly with water. If irritation occurs call a doctor.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

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#### 5. Fire-Fighting Measures

Extinguishing media	Carbon dioxide, foam, dry chemical and water fog.
Special fire fighting procedure	Water spray should only be used to keep fire-exposed containers cool, flush spills away from exposures, disperse vapours and protect personnel attempting to stop leak. Prevent runoff from fire control or dilution from entering streams, municipal sewers, or drinking water supply.
Special protective equipment for fire fighters	For fires in enclosed areas, fire fighters must use Self-Contained Breathing Apparatus.
Products of combustion	Fumes, smoke and carbon monoxide.
Flash Point	None flash
Upper Explosion Limit (UEL)	N/A
Lower Explosion Limit (LEL)	N/A
NFPA Hazard If	Health: 0; Flammability: 0; Reactivity: 0

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#### 6. Accidental Release Measures

Environmental precautions and clean-up methods	Prevent spills from entering municipal sewers or drains and contact with soil.
Personal precautions	See Section 8
Methods for cleaning up	Land Spill: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by shovelling up, or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of absorbed residues as directed in Section 13. Water Spill: Eliminate sources of ignition. Warn occupants and/or ships in the downwind areas of fire and explosion hazard, and warn them to stay clear. Consult and expert for the recovery and disposal of material according to local regulations.

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#### 7. Handling And Storage



Safe handling advice	Do not ingest. Avoid contact with skin and clothing. Avoid contact with eyes. Use only with adequate ventilation. Avoid breathing vapour or mist. Wash thoroughly after handling.
Storage information	Store away from all ignition sources in a cool, well-ventilated area.
Storage and handling procedures	Store in cool ventilated building.

## 8. Exposure Controls / Personal Protection

### Occupational Exposure Limits (OELs)

Components	Cas- no.	Source	TWA	Value	Notations
Heavy Aliphatic Petroleum additives	64742-96-7	ACGIH TLV		525 mg/m <sup>3</sup>	100ppm

Some states may enforce more stringent exposure limits.

### Personal Protection Equipment (PPE)

Control measures	Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
Respiratory protection	Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable.
Eye protection	Avoid contact with eyes; chemical type goggles should be worn.
Skin and body protection	Avoid contact with skin and clothing. Wear suitable protective clothing.
Hands	<p>Wear gloves that cannot be penetrated by chemicals or oils. Recommended: Butyl gloves.</p> <p>The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier / manufacturer and with a full assessment of the working conditions.</p> <p>Consult your supervisor or S.O.P. for special handling directions.</p> <p>Consult local authorities for acceptable exposure limits.</p>

## 9. Physical And Chemical Properties

Appearance	Liquid
Colour	White
Odour	Mild
Boiling point / range	>93 °C



Vapour Pressure	<10hPa
Density	0.862 g/cm <sup>3</sup> @ 20 °C (ASTM D-4052)
Flash Point	Not flammable
Solubility	Emulsifiable
Viscosity, kinematic	>7 mm <sup>2</sup> /s @ 40 °C (ASTM D-445)

## 10. Stability And Reactivity

Stability	Stable
Condition to avoid	Extreme heating and freezing
Materials to avoid	NONE

## 11. Toxicological Information

**An acute toxicity study of this product has not been conducted.**

Product/Ingredient Name	Result	Species	Dose
Monoethylene glycol	LD50 Dermal	Rabbit	11890 mg/kg
	LD50 Oral	Rat	12565 mg/kg
	LD50 Oral	Rabbit	4400 mg/kg
Conclusion/summary	Not available		
Chronic toxicity Carcinogenic effects	No component of this product at levels greater than 0.1 % is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1 % is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).		
Mutagenic effects	No component of this product at levels greater than 0.1 % is classified by established regulatory criteria as a mutagen.		
Reproductive effects	No component of this product at levels greater than or equal to 0.1 % is classified by established regulatory criteria as a reproductive toxin.		
Teratogenic effects	See toxicological information (section 11).		

## 12. Ecological Information

### **Ecotoxicity**

**No testing has been performed by the manufacturer.**

Persistence / degradability	Not established
Mobility	Not established
Soil /water partition coefficient (Koc)	Not established



Bioaccumulative potential	Not established
Other ecological information	Not established

### 13. Disposal Considerations

Waste disposal	Avoid contact of spilled material an runoff with oil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, and treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.
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### 14. Transport Information

Static accumulator (50 picosiemens or less)	Yes
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### 15. Regulatory Information

US OSHA Hazard Communication Standard	Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined to be hazardous.
Governmental Inventory Status	All components comply with TSCA, EINECS/ELINCS, AICS, METI, DSL, KECI, ENCS, PICCS and IECSC.

Chemical Name	Cas- no.	Weight %	Symbol Codes	R-Phrase Numbers
Additives		5 %	None	Not Applicable
Natural Plant Oils		95 %	None	Not Applicable

### 16. Other Information

Note: Afriq Lube products do not contain PCBs.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for any other applications. In any case, the following advice should be considered:

FIRST AID	Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapour, remove to fresh air. If ingested do not induce vomiting. If any symptoms persist seek medical attention. Read and understand the MSDS before using this product.
INJECTION INJURY WARNING	If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly



**SAFETY**

reduce the ultimate extent of injury.

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or irritation. Always observe good hygiene measures.

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**Disclaimer**

Information given here in 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 of nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing 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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Prepared by

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Prepared on

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