



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



## MATERIAL SAFETY DATA SHEET

### 1. Chemical Product And Company Identification

Product Name	AFRIQ LUBE XTREME WATER BASE DEGREASER		
Product Use	All purpose, heavy duty degreaser for removing grease, oils, tars and dirt.		
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
Sodium Tripolly Phosphate	9010-08-06	2		
Sles 70 %	68585-34-2	5		
MEA	907-33-4	4		
NP9	2881-22-3	5		

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

### 3. Hazards Identification

Emergency response data:	Clear Liquid. DOT ERG No.- Not applicable
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.
Routes of entry	Do not ingest. Avoid contact with eyes, skin and clothing. Do not breathe vapour or mist. Keep container closed. Use only with adequate ventilation. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and or dermatitis. Wash thoroughly after handling.  Skin contact. Eye contact. Inhalation. Ingestion.



**Health effects**

Eyes	Causes eye irritation.
Skin	Causes skin irritation. Prolonged or repeated contact can defat the skin and lead to irritation and or dermatitis.
Inhalation	Over-exposure by inhalation may cause respiratory irritation. Inhalation causes Headaches, dizziness, drowsiness and nausea. May lead to unconsciousness.
Ingestion	Harmful if swallowed. Symptoms similar to alcohol intoxication. Contains material which may cause damage to the kidneys. See toxicological information (section 11).
Medical Conditions aggravated by overexposure	None Identified.

See Section 11 for further health effects / toxicological data

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**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**

Flammability of the product	Non flammable
Auto-ignition temperature	n/a
Flash Point	None flash
Explosion limits	n/a
Products of combustion	These products are carbon oxides (CO,CO <sup>2</sup> ) (carbon monoxide, carbon dioxide).
Unusual fire/explosion hazards	n/a
Fire-fighting media and instructions	In case of fire, use water fog, foam, dry chemicals, or carbon dioxide. Do not use water jet.
Protective clothing (fire)	Fire-fighters should wear positive pressure self-contained breathing



Special remarks on fire hazards	apparatus (SCBA) and full turnout gear. None
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## 6. Accidental Release Measures

Environmental precautions and clean-up methods	If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills like spilled material or otherwise contain material to ensure runoff does not reach a waterway Place spilled material in an appropriate container for disposal.
Personal protection in case of a large spill	Chemical splash goggles. Chemical resistant protective suit. Boots. Chemical resistant gloves. Vapour respirator or a self-contained breathing apparatus. Suggested protective clothing might not be sufficient; consult a specialist Before handling this product.  CAUTION: The protection provided by air-purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential for na uncontrolled release, if exposure levels are not known, or if concentrations exceed the protection limits of air-purifying respirator.

## 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	Keep containers closed when not in use. Do not store in open or unlabelled containers. Do not store near sources, sparks, flames, strong oxidizing agents and combustible materials.
Storage and handling procedures	Prevent small spills and leakages to avoid slip hazard.

## 8. Exposure Controls / Personal Protection

### Occupational Exposure Limits (OELs)

Components	Cas- no.	Source	TWA	Value	Notations
Monoethylene glycol	Not assigned				
Sles	Not assigned				

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.
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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	Clear
Odour	Neutral
pH	12-14
Heat of combustion	n/a
Boiling point / range	>93 °C
Melting point / range	n/a
Specific gravity	1-1.05
Vapour Pressure	18mmHg @ 20 °C
Vapour Density (Air=1)	>1
Flash Point	Not flammable
Solubility	Easily soluble in cold water

## 10. Stability And Reactivity

Stability	Stable
Condition to avoid	Extreme heating and freezing
Materials to avoid	Strong oxidizers



Hazardous decomposition products

Carbon monoxide, Carbon dioxide

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## 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).		

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## 12. Ecological Information

### **Ecotoxicity**

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

Persistence / degradability	Readily biodegradable
Mobility	Spillages may penetrate the soil causing ground water contamination
Soil /water partition coefficient (Koc)	This product shows a low bioaccumulation potential.
Bioaccumulative potential	This product shows a low bioaccumulation potential.
Other ecological information	Miscible in water. Spills on water will disperse throughout the water phase. Unlikely to be harmful to aquatic organisms unless glycol concentration is high.

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## 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

Nonbulk shipping information	Not regulated
D O T Nonbulk shipping information	

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## 15. Regulatory Information

U.S. Federal regulations	United States inventory (TSCA 8b): All components are listed or exempted. This product is not regulated under Section 302 of SARA and 40 CFR Part 355. SARA 311/312 MSDS distribution – chemical inventory – hazard identification: Afriq Lube Xtreme: Immediate (Acute) Health Hazard, Delayed (chronic) Health Hazard
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## 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 reduce the ultimate extent of injury.
SAFETY	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 on	23 February 2017
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