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MATERIAL SAFETY DATA SHEET

1. Chemical Product And Company Identification

Product Name AFRIQ LUBE HAND CLEANER ORANGE

Product Use Waterless hand cleaner

Manufacturer Afriq Lube and Services cc 016 424 4630 (t)
P.O. Box 263708 016 424 4651 (f)
Three Rivers afriqlube@telkomsa.net (e)
1935

2. Composition / Information On Ingredients

Chemical Name	Cas- no.	Weight %	ACGIH 8 HR. TWA	OSHA 8 HR TWA
Water	7732-18-5	75-85	Not listed	Not listed
Pumice	1332-09-8	5-15	10mg/m ³ (inhal); 3 mg/m ³ (resp)	15mg/m ³ (total); 5 mg/m ³ (resp)
D-Limonene	5989-27-5	5-15	Not established	Not established
Ethoxylated C11-C16 Alcohol	127036-24-2	1-10	Not listed	Not listed

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

3. Hazards Identification

Emergency response data: Orange Gel. DOT ERG No.- Not applicable

Potential health effects

Note Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin and respiratory irritation.

See Section 11 for further health effects / toxicological data

4. First Aid Measures

Inhalation Not expected to be a problem. However, if respiratory irritation occurs due to excessive vapour or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with mechanical device or use



	mouth-to-mouth resuscitation.
Skin contact	Remove contaminated clothing. Dry wipe and cleanse with hand cleaner, soap and water. Launder contaminated clothing before re-use. (See Section 16 – Injection Injury)
Eye Contact	Flush thoroughly with water. If irritation occurs call a doctor.
Ingestion	Seek medical attention immediately.

5. Fire-Fighting Measures

Extinguishing media	Carbon dioxide, foam, dry chemicals and water fog.
Special fire fighting procedure	Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. 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 closed areas, fire fighters must use Self-Contained Breathing Apparatus.
Unusual fire/explosion hazards	None
Products of decomposition	Fumes, smoke, carbon monoxide, sulphur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

6. Accidental Release Measures

Procedure if material is released or spilled	Rinse away with water or wipe up with a towel
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7. Handling And Storage

Safe handling advice	No special precautions are necessary beyond normal good hygiene practices.
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
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LTEL	Long Term Exposures Limits- Time Weight Average (TWA) over 8 hours.
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STEL | Short Term Exposure Limits- Time Weight Average (TWA) over 15 minutes.

Note | Limits Show for guidance only. Follow applicable regulations.

Personal Protection Equipment (PPE)

Engineering controls | If mists are generated, use ventilation, local exhaust or enclosures to control below exposure limits.

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

Eye protection | If splash with liquid is possible, chemical type goggles should be worn.

Skin and body protection | No special equipment required. However, if frequent slashing or liquid contact is likely to occur, wear oil impervious gloves and clothing. Good personal hygiene practices should always be followed.

9. Physical And Chemical Properties

Appearance	Gel
Colour	orange
Odour	orange
Solubility	Soluble
Boiling point / range	Not determined
Specific gravity	1.03
Vapour Pressure	Not determined
pH	7.0

10. Stability And Reactivity

Stability | Stable

Condition to avoid | Freezing

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 inhalation toxicity | (Rats): Practically non-toxic (LC50: Greater than 5 mg/l). Based on testing of similar products and / or components.

Acute dermal toxicity | (Rabbits): Practically non-toxic (LC50: greater than 2000mg/l). Based on testing of similar products and / or components.

Skin irritation | (Rabbits): Practically non-irritating. (Primary Irritation Index LC50: greater than 0.5 but less than 3). Based on testing of similar products and / or the components.

Eye irritation | (Rabbits): Practically non-irritating. (Draize score: greater than 6 but 15 or less). Based on testing of similar products and / or the components.



Other acute toxicity data	Although an acute inhalation study was not performed with this product, a variety of mineral and synthetic oils, such as those in this product, have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects. Over exposure to oil mist may result in oil droplet deposition and / or granuloma formation.
Sensitization	Not expected to be sensitizing based on tests of this product, components, or similar products.
Repeated dose toxicity	No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (haematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.). Repeated and / or prolonged exposure may cause irritation to the skin, eyes or respiratory tract.
Teratogenicity	No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and / or materials of similar composition.
Carcinogenicity	Mineral base oil is severely solvent refined and / or severely hydro treated. Chronic mouse skin painting studies of severely treated oils showed evidence of carcinogenic effects. Synthetic base oils have been tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures. Used petrol engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no effort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

12. Ecological Information

No data available

13. Disposal Considerations

Recommended Method of disposal	Dispose of uncontaminated material through sewer system with permission of the authority responsible for that system.
US EPA Waste Number	NH – Not a RCRA Hazardous Waste Material

14. Transport Information

Note	This product is not regulated by the following: U.S DOT (CFR), ADR, IATA, and IMDG.
Static Accumulator (50 picosiemens or less)	Yes



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	All components comply with TSCA, EINECS, 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 ingredient are cited on the list below

Chemical name	Cas- no.	Concentration (%)	List Citations
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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

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.

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.

Prepared by

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Prepared on

12 January 2018

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