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MATERIAL SAFETY DATA SHEET

1. Chemical Product And Company Identification

Product Name AFRIQ LUBE DRAGLINE CLEANER
Product Use Cleaner – Heavy duty
Manufacturer Afriq Lube and Services cc
 P.O. Box 263708
 Three Rivers
 1935
 016 424 4630 (t)
 016 424 4651 (f)
afriglube@telkomsa.net (e)

2. Composition / Information On Ingredients

Hazardous Ingredient	Cas- no.	EINECS	w/w %	Symbol	R-phrases	Notes
Ethylbenzene	100-41-4	202-849-4	0-1	F, Xn	11-20	A
Xylene	1330-20-7	215-535-7	0-1	Xn	10-20/21-38	A
Naphtha (petroleum), Hydrodesulfurized heavy (benzene<0.1 %)	64742-82-1	265-185-4	60-100	Xn,N	10-51/53-65-66	B,P
Solvent naphtha (petroleum), heavy arom. (benzene<0.1 %)	64742-94-5	265-198-5	10-30	Xn, N	51/53-65-66-67	B
1H-Imidazole-1-ethanol,2-(8-heptadecenyl)-4,5-dihydrofatty alcohol ethoxylate	95-38-5	202-414-9	0-1 1-5	C,N Xi	22-34-50/53H/41	
Explain notes						
A: substances with community workplace exposure limit						
B: substance with national established workplace exposure limit						
P: not classified as carcinogen, less than 0.1 % w/w benzene (Einecs-nr. 200-753-7)						

3. Hazards Identification



Health and Safety	Flammable Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
Environment	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 for at least 15 minutes. Get medical assistance.
Ingestion	If swallowed do not induce vomiting. Get medical attention immediately.
General advice	The usual precautions for handling chemicals should be observed.

5. Fire-Fighting Measures

Flash point (test method)	100 °C
Flammable limits (%)	
Lower	0.6 %
Upper	8 %
Fire extinguishing substances	May form explosive vapour/air mixtures
Fire fighting procedures	Keep container exposed to fire cool, by spraying with water.

6. Accidental Release Measures

Personal precautions	Shut off all ignition sources Ensure adequate ventilation.
Environmental precautions	Prevent from entering sewers, waterways or low areas.
Methods for cleaning up	Absorb spillage in suitable inert material.

7. Handling And Storage

Handling	Use only in well ventilated areas. Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage information	Keep out of reach of children. Keep container tightly close. Store in a cool, dry area.



8. Exposure Controls / Personal Protection

Occupational Exposure Limits (OELs)

Hazardous ingredients	Car-nr	Method	OTHER
Ethylbenzene	100-41-4	TWA STEL	100PPM 200PPM
Xylene	1330-20-7	TWA STEL	50PPM 100PPM

Personal Protection Equipment (PPE)

Engineering controls	Use only in well-ventilated area. Keep away from heat and sources of ignition.
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. Wear a face shield if splashing hazards exists.
Other protection	Wear protective clothing as necessary to prevent skin contact.

9. Physical And Chemical Properties

Appearance	Liquid
Colour	Colourless
Odour	White spirit
pH	Not available
Solubility in water	Insoluble in water
Boiling point / range	150 °C
Flash point	100 °C
Relative density	1.13 @ 20 °C
Vapour Pressure	Not available
Vapour Density	Not available
Evaporation rate	Not available
Auto ignition	>200 °C

10. Stability And Reactivity

Conditions to be avoided	Ovoid overheating Keep away from heat and sources of ignition
Materials to be avoided	Strong oxidising agent
Hazardous decomposition products	Carbon oxides

11. Toxicological Information

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

Potential Acute Health

**Effects**

Inhalation	Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
Ingestion	Harmful if swallowed. Solvents may induce chemical pneumonia.
Eye contact	Irritating to eyes
Skin contact	Prolonged skin contact will result in defatting of the skin
Other information	No experimental data available

12. Ecological Information***Eco toxicological***

Other adverse effects	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not allow to enter public sewers and watercourses. If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities. No experimental data available.
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13. Disposal Considerations

Waste disposal	National regulations: Disposal should be in accordance with local, state or national legislation.
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14. Transport Information

UN-number	1300
Road/Rail – ADR/RID	UN1300 Turpentine substitute, mixture Class: 3, PG: III, Label:3
Sea – IMDG	UN1300 Turpentine substitute, mixture Class: 3, PG: III, Label: 3
EmS	F-E,S-E
Marine pollutant	P
Air – IATA/ICAO	UN1300 Turpentine substitute, mixture Class: 3, PG: III Label: RFL
Packing instr. LQ	Y309
PAX	309
CAO	310

15. Regulatory Information

Warning Symbol (s)	Xn, N
Risk Phrase (s)	R10: Flammable R51/53: toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.
Safety-phrase (s)	S2: Keep out of the reach of children.



S37: Wear suitable gloves.

S51: Use only in well-ventilated areas.

S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. Other Information

Note: Afriq Lube products do not contain PCBs.

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	13 January 2018
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