



DOLPHIN ENGINE DEGREASER

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Details

Product Name : Dolphin Engine Degreaser
Recommended Use : Vehicle Engines

Company Details

Company Name : Al Muqarram Industry L.L.C.
Address : Etihad Street, Modern Industrial Area, Umm al Thaoob
Post Box No. 24756
Umm Al Quwain, United Arab Emirates
Phone Number : +971 (6) 5353796
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E-mail ID : info@muqarram.com, sales@muqarram.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classified as : Hazardous

2.2 Label Elements : Signal word warning.

2.3 Other Hazards : Flammable aerosol, pressurized, may burst if heated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	Wt. %
Water	7732-18-5	70 - 90
Butyl DiGlycol	112-34-5	5 - 20
Iso Propyl Alcohol	67-63-0	< 15
Surfactants	< 10
Perfume	< 1
Propellant	10 – 30

4. FIRST AID MEASURES

4.1 Description of first aid

Measures

Eye

Flush eye with plenty of water. If irritation or other symptoms persist seek medical attention.

Ingestion

If swallowed, do not induce vomiting. Never give anything by mouth to unconscious person.

Skin Contact

Removes contaminated clothing. Wash affected area with soap and water.

Inhalation

Remove person to fresh air. Seek medical attention immediately. If breathing stop gives artificial respiration.



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4.2 Most IMP. Symptoms	Adverse effect not expected from this products under normal condition of use.
4.3 Indication of Immediate Medical Attention	No specific treatment, treat symptomatically.

5. FIRE – FIGHTING MEASURES

5.1 Suitable Extinguish Media	Dry agent, Carbon Mono Oxide, prevent contamination of drains and waterways.
5.2 Specific Hazardous Arising From the chemical	Flammable, may evolve toxic gases (hydrocarbon) when heated to decomposition. Aerosol may be explode at temperature above 50 °C.
5.3 Advice for Firefighters	Fire fighters should wear full protective clothing for fires in areas where chemical Are used or stored.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment	Wear appropriate protective equipment. Ensure adequate ventilation especially in Confined area.
6.2 Environmental Precautions	Prevent entry in storm sewers and waterways. Report spill as required by local and National regulations.
6.3 Method of Cleaning Up	Absorb with an inert material. Collect into a suitable container for disposal. Rinse area With clean water.

7. HANDLING & STORAGE

7.1 Safe Handling	Handle with good industrial hygiene and safety practice. Avoid contact with eye, clothing and wash thoroughly after handling.
7.2 Storage Condition	No special storage required. Store in a well-ventilated area removed from incompatible substances, heat, or ignition sources .Ensure aerosol cans are adequately labelled, protected from physical damage and sealed when not in use.
Respiratory Protection	Not required under normal use conditions.
Eye Protection	Not required for normal use. Avoid contact with eye.

8. EXPOSURE CONTROLS PERSONAL PROTECTION

8.1 Control Parameters	Exposure Limit
Personal Protection Chemical	1000 ppm TWA OSHA PEL 1000 ppm TWA ACGIH TLV(Aliphatic hydro carbon gas) Non Hazardous Ingredients Non Established.
8.2 Exposure Control	
Engineering Controls	Avoid inhalation. Use in well ventilated areas
Personal Protective Equipment	Respiratory protection not required under normal use conditions. Gloves required under normal use conditions. Eye protection required for normal use. Avoid contact with eye.



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9. Physical & Chemical Properties

Appearance	Clear Colorless Liquid
Odor	Rosy Odor
Specific gravity of bulk	0.950 – 1.005
PH	8.0 – 10.0
Water Solubility	Soluble

10. Stability & Reactivity

10.1 Reactivity	Stable under normal use.
10.2 Chemical Stability	Stable under recommended storage condition.
10.3 Possibility of Hazard Reactivity.	Polymerization will not occur.
10.4 Condition to avoid	Keep away from all the heat sources, open flames and other sources of ignition.
10.5 Incomplete Material	Thermal decomposition will generate oxides of carbon, silicone di oxide.
10.6 Hazardous Decomposition Products	May evolve carbon oxides and hydrocarbons and hydrocarbon when heated to decomposition.

11. Toxicological Information

11.1 Information on Toxicological Effect	
Inhalation	Low irritant. No adverse effects expected from the normal use.
Eye Contact	Direct contact may cause mild eye irritation with redness & tearing.
Skin Contact	Prolong or repeated contact may cause mild irritation in some individuals.
Ingestion	Swallowing may cause gastrointestinal disturbances.

12. Ecological Information

12.1 Eco Toxicity	No information provided.
12.2 Persistence & Degradability	No data available.
12.3 Bio accumulation	
12.4 Mobility	No information available.
12.5 Other Adverse Effect	Disperse in water. No eco toxicity data available.

13. Disposal Consideration

13.1 Water Treatment Method	Disposal should be accordance with all local, state, provincial and federal regulation
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14. Transport Information

UN Number	UN 1950
IMDG Shipping Name	Aerosol, Flammable, LTD Quantity
IMDG Hazard Class	2.1
IATA Shipping Name	Aerosol
IATA Hazard Class	2.1
ADG Shipping Name	Aerosol
ADG Hazard Class	2.1

15. Regulatory Information

Hazards Codes	F (Flammable)
Risk Phrases	R10 (Flammable)
Safety Phrases	S16 (Keep away from sources of ignition, no smoking.)

16. Other Information

Additional Information It should be noted that the effects from exposure to this product depend on several Factors including frequency and duration of use, quantity used, effectiveness of Control measures, protective equipment used and method of application.

Abbreviations

ACGIH	American Conference of Government Industrial Hygienists.
CAS#	Chemical Abstract Service Number.
PPM	Parts per million.
STEL	Short Term Exposure Limit.
SWA	Safe work Australia.
TLV	Threshold Limit Value.
TWA	Time Weighted Average.

Disclaimer

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.