



WORLD-CLASS  
CHEMICALS

المكرم لصناعة المواد العازلة ذ.م.م  
Al Muqarram Insulation Material Industry L.L.C.

## MATERIAL SAFETY DATA SHEET

### 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  
Website : [www.muqarram.com](http://www.muqarram.com)

Emergency Telephone Number: 00971-549981925

### 2. HAZARDS IDENTIFICATION

#### Classification of substance or mixture

Classified as : Hazardous  
Label Elements : Signal word warning  
Other Hazards : Flammable aerosol, pressurized, may burst if heated

### 3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Identity	CAS No	Weight %
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

#### Description of first Aid Measures

**Eyes** : 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** : Remove contaminated clothing. Wash affected area with soap and water.  
**Inhalation** : Remove victim to fresh air. Seek medical attention immediately. If breathing stops gives artificial respiration.  
**Most Important Symptoms** : Adverse effect not expected from this product under normal condition of use

**Indication of Immediate Medical Attention and special Treatment Needed** : No specific treatment, treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** : Dry agent, Carbon Mono Oxide, prevent contamination of drains and waterways.  
**Specific Hazards Arising from the Chemical** : Flammable may evolve toxic gases (hydrocarbon) when heated to decomposition. Aerosol may be exploded at temperature above 50 °C.  
**Advice for Firefighters** : Fire fighters should wear full protective clothing for fires in areas were chemical Are used or stored.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures** : Wear appropriate protective equipment. Ensure adequate ventilation especially in Confined area.  
**Environmental Precautions** : Prevent entry in storm sewers and waterways. Report spill as required by local and National regulations.  
**Containment and Clean Up Procedures** : Absorb with an inert material. Collect into a suitable container for disposal. Rinse area with clean water

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** : Handle with good industrial hygiene and safety practice. Avoid contact with eye, clothing, and wash thoroughly after handling.  
**Proper 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

**Control Parameters Personal Protection Chemical** : **Exposure Limit**  
 1000 ppm TWA OSHA PEL  
 1000 ppm TWA ACGIH TLV (Aliphatic hydro carbon gas)  
 Non-Hazardous Ingredients Non-Established.  
**Exposure Control** : Avoid inhalation. Use in well ventilated areas  
**Engineering Controls 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**  
**Physical State** : Clear Colorless Liquid  
**Odor** : Rosy Odor  
**Specific gravity of bulk** : 0.950 – 1.005  
**pH** : 8 –10.0  
**Water Solubility** : Soluble

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	: Stable under normal use.
<b>Reactivity</b>	: Stable under recommended storage condition.
<b>Possibility of Hazardous Reaction</b>	: Polymerization will not occur.
<b>Condition to Avoid</b>	: Keep away from all the heat sources, open flames, and other sources of ignition.
<b>In Complete Materials</b>	: Thermal decomposition will generate oxides of carbon, silicone di oxide.
<b>Hazardous Decomposition Products</b>	: May evolve carbon oxides and hydrocarbons and hydrocarbons when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

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

## 12. ECOLOGICAL INFORMATION

<b>Eco-toxicity</b>	: No information provided.
<b>Persistence and Degradability</b>	: No data available.
<b>Bioaccumulation</b>	: No information available.
<b>Mobility</b>	: Disperses in water.
<b>other Adverse Effects</b>	: No eco toxicity data available.

## 13. DISPOSAL CONSIDERATIONS

<b>Water Treatment Method</b>	: Disposal should be accordance with all local, state, provincial and federal regulation.
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## 14. TRANSPORT INFORMATION

<b>UN Number</b>	: UN 1950
<b>IMDG Shipping Name</b>	: Aerosol, Flammable, LTD Quantity
<b>Transport Hazard Class</b>	: 2.1
<b>IATA Shipping Name</b>	: Aerosol
<b>IATA Hazard Class</b>	: 2.1
<b>ADG Shipping Name</b>	: Aerosol
<b>ADG Hazard Class</b>	: 2.1

## 15. REGULATORY INFORMATION

<b>Hazard Codes</b>	: F (Flammable)
<b>Risk Phrases</b>	: R10 (Flammable)
<b>Safety Phrases</b>	: S16 – Keep away from sources of ignition, no smoking.



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## 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, and 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.

## 17. DISCLAIMER

The information provided in this document has been compiled based on 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 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.