



DOLPHIN BRAKE PARTS CLEANER

Last Revision Date : 23.11.2017
Revision No. : 01

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Details

Product Name : Dolphin Brake Parts Cleaner
Recommended Use : Brake Cleaner for Consumer Use

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
Fax No. : +971 (6) 5353964
E-mail ID : info@muqarram.com, sales@muqarram.com

2. HAZARDS IDENTIFICATION

Physical Hazards	Flammable aerosol	Category 1
	Gases under pressure	Compressed gas
Health Hazards	Serious eye damage	Category 2 A
	Aspiration Hazard	Category 1
	Specific target organ toxicity Single exposure	Category 3 narcotic effect

Label Elements



Other Hazards

Precautionary Statements Prevention

Keep away from heat / spark / open flames / hot surfaces.
No smoking. Do not spray on open flame or other ignition sources do not puncture or incinerate container.

Response

Do not breathe dust/fumes/gas/mist/vapors/spray.
If swallowed, immediately call a doctor. Do not induce Vomiting, remove person to fresh air. If in eyes, wash With water for several minutes.

Storage

Store in a well- ventilated place. Keep container tightly closed
Do not expose to temperature exceeding 50°C.

Disposal

Dispose of contents /containers in accordance with local, regional and national regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	Wt. %	Skin	Carcinogen
Acetone	67-64-1	40 – 50	No	No
Toluene	108-88-3	50 – 60	No	No
Methanol	67-56-1	15 – 30	No	No
Propellant	74-98-6	25 – 35	No	No

All spray consisting of solvent, additive and hydro carbon propellant.



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4. FIRST AID MEASURES

Eyes	Flush with large amount of cool running water for at least 15 minutes.
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	May cause eye, skin, and respiratory irritation prolong skin contact may causes drying of skin. Inhalation may cause headache, dizziness, nausea, and other central nervous system depression. Aspiration into the lungs during ingestion or vomiting may cause lung damage.
Indication of Immediate Medical Attention and Special Treatment Needed	Immediate medical attention is required.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, CO ₂ , Sand, Earth, Water spray.
Specific Hazards Arising From the Chemical	Extremely flammable contents under pressure and can explode when exposed to heat or flames. Vapors may cause flash fire.
Fire – Advice for Firefighters	Firefighters must use standard protective equipment including fire-retardant gloves, coat, helmet with face shield, rubber boots.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation especially in confined area, avoid contact with skin and eyes.
Environmental Precautions Containment and Clean Up Procedures	Do not flushes into surface water or sanitary sewer system. Eliminate all ignition sources (no smoking, sparks, or flames in Immediate area). Keep combustibles (wood, paper, oil, etc.) Away from spilled materials. Stop the flow of material.
Prevention of Second Disaster	Absorbed waste maybe disposed as per local government regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Handle with good industrial hygiene and safety practice avoid breathing vapors or mist. Avoid contact with eyes, clothing, and wash thoroughly after handling.
Proper Storage Condition	Keep containers tightly closed in a cool, ventilated place. Keep away from sunlight, ignition sources. Do not expose to temperatures exceeding 50°C. Keep out of reach of children.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Acetone (67-64-1) Toluene (108-88-3)	STEL 750 ppm (TWA 500 ppm) TWA 20 ppm	TWA 1000 ppm (TWA2400 mg/m ³) TWA 200 ppm	IDLH 2500 ppm, TWA 250 IDLH 500 ppm, TWA 100 ppm
Methanol (67-56-1)	TWA 200 ppm, STEL 250 ppm	TWA -200 ppm, 260 mg /m ³	STEL – 250 ppm,325 mg/m ³

Engineering Controls	Shower, Eye Wash station, Ventilation system.
Eye/Face Protection	Wear safety glasses with shields (goggles)
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Skin Protection	Wear protective gloves and protective clothing.
Other Protective Equipment	Wear suitable protective clothing such as aprons against splashing and contamination.
Work/Hygienic Practices	When using, do not eat, drink or smoke. Wash at the end of each work shift and before eating. Wash hands thoroughly after handling. Contaminated shoes and clothing should be removed after handling and washed thoroughly before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Liquid
Form	Aerosol
Color	Clear/Colorless
Properties	
Odor	Odorless
Solubility	Non-soluble in water
Specific Gravity	0.835

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature and recommended storage conditions.
Reactivity	Stable under normal use.
Possibility of Hazardous Reaction	No dangerous reaction known under condition of normal use.
Condition to Avoid	Keep away from all the heat sources, open flames and other sources of ignition.
In Complete Materials	Strong oxidizing agent.
Hazardous Decomposition Products	Carbon Oxides



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11. TOXICOLOGICAL INFORMATION

Possible Health Effects

Skin May cause skin irritation and dermatitis.
Eye Contact with eyes may cause irritation.
Inhalation May cause irritation of respiratory tract. May cause central nervous system depression with nausea, headache, and dizziness.

Chemical Name	Oral Toxicity	Dermal Toxicity	Inhalation
Acetone	LD ₅₀ (Rat female) 5800mg/kg	LD ₅₀ (Rabbit) 7426mg/kg	LC ₅₀ (Rabbit) 76mg/L 4 hrs.
Methanol	LDLO (Human) 300 mg/kg	LD ₅₀ (Rabbit) 12800 mg / kg	The components/mixture is as acute oral toxicity category 3.
Toluene	Oral /LD50 2600 mg / kg rat	LD ₅₀ 12000 mg /kg rabbit	LC ₅₀ 12.5 kg/l rat 4 hrs

12. ECOLOGICAL INFORMATION

Eco-toxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence and Degradability No data available.
Bioaccumulation No information available.
Mobility Can disperse in water
Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Water Treatment Method Recover or recycle if possible. Disposal should be accordance applicable regional, national and local laws and regulations.
Contaminated Packaging Do not reuse container.

14. TRANSPORT INFORMATION

UN Number UN 1950
IMDG Shipping Name Aerosol
Transport Hazard Class 2.1
IATA Shipping Name Aerosol Flammable
IATA Hazard Class 2.1
UN Number UN 1950
ADG Shipping Name Aerosol
ADG Hazard Class 2.1
UN Number UN 1950



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15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA	Complies
DSL/NDSL	Complies
ENCS	Not determined
IECSC	Not determined

Legend

TSCA	United State Toxic Substances Control Act Section 8 b Inventory.
DSL/NDSL	Canadian Domestic Substances List/Non domestic Substances list.
ENCS	Japan existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals & Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act.
DOT	Department of Transportation
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
HMIRC	Hazardous Materials Information Review Commission
HMIS	Hazardous Materials Identification System
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health.

NFPA Information	Health	2
	Flammability	2
	Instability	0

HMIS Information	Health	4*
	Flammability	4
	Physical Hazard	0

FULL TEXT OF H-STATEMENTS

H 225	Highly Flammable liquid.
H 226	Flammable liquid and Vapor.
H 280	Contains gas under pressure may explode if heated.
H 301	Toxic if swallowed.
H 304	May be fatal if swallowed and enter airways.
H 311	Toxic in contact with skin.
H 312	Harmful in contact with skin.
H 315	Causes skin irritation.
H 319	Causes serious eye irritation.
H 331	Toxic if inhaled.
H 332	Harmful if inhaled.
H 370	Causes damage to organ.
H 373	May cause damage to organ through prolonged exposure.

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16. OTHER INFORMATION**General Information**

This product should be used as directed. For further information, please consult product data sheets and application information bulletin for this product.

Further Information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate health and safety precaution, and hazard information. It does not represent a guarantee of the properties of product.

Revision Comments

This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is correct.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated.

However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.