AL- MUQARRAM INDUSTRY

المكرم للصناعة ذ.م.م.
Al Muqarram Industry L.L.C.

MATERIAL SAFETY DATA SHEET

DOLPHIN AC Cleaner		
Revision Date : 12 Nov 2019	Revision No. 1	Number of Pages : 5

1. PRODUCT AND COMPANY IDENTIFICATION

Product Details

Product Name : **DOLPHIN AC Cleaner**
Recommended Use : **Air Conditioner Odor Eliminator**

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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Website : **www.muqarram.com**

2. HAZARDS IDENTIFICATION

Physical Hazards	Gases under pressure	Liquefied gas
	Flammable aerosol	Category 1
Health Hazards	Skin Irritation	Category 2
	Serious eye damage	Category 2A
Environmental Hazards	Hazards to the aquatic environment	Category 3

Label Elements

Other Hazards
Precautionary Statements : Keep away from heat / spark / open flames / hot surfaces.
Prevention : No smoking. Do not spray on open flame or other ignition sources. Do not puncture or incinerate container.
Do not breathe dust/fumes/gas/mist/vapors/spray.
Response : 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
Isopropyl Alcoho	67-63-0	15 – 30	No	No
Butane	106-97-8	10 – 35	No	No

Propane	74-986	10-30	No	No
Non-hazardous Ingredients	-	-	-	-

Specific chemical or percentage of composition has been withheld as a trade secret.

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, CO2, 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 : Do not flushes into surface water or sanitary sewer system.
Containment and Clean Up Procedures : 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

	TWA		STEL		Carcinogen Category
	ppm	mg/m³	ppm	mg/m³	-
Isopropyl Alcohol	400	983	500	1230	
Butane	800	1900	-	-	-

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	: Sweet odor
Solubility	: Non-soluble in water
Specific Gravity	: 0.855

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	: Oxidizing agent.
Hazardous Decomposition Products	: Carbon Oxides

11. TOXICOLOGICAL INFORMATION

Inhalation	: Material may be irritant.
Eye Contact	: Contact with eyes may cause irritation.
Skin Contact	: May cause skin irritation and dermatitis.
Sensitization	: This material has been classified as not a respiratory sensitizer.
Aspiration Hazards	: This material has been classified as non- hazardous.
Mutagenicity	: This material has been classified as non- hazardous.
Carcinogenicity	: This material has been classified as non- hazardous.
Specific Target	: This material has been classified as non- hazardous.
Toxicity	: No adverse health effects if the products is handled in accordance with this MSDS & product label.

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	: Disperses 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

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.

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.

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.