

# THE AROMAVERSE-FZCO

\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

## Diphenyl Oxide

### Section 1 - Chemical Product and Company Identification

MSDS Name : Diphenyl Oxide

Synonyms : Diphenyl ether

**Company Identification** THE AROMAVERSE-FZCO  
A6-3648479202, Premises No. A6-003-B ,  
IFZA Business Park, DDP. DUBAI, UNITED ARAB EMIRATES.  
Email: info@aromaverse.net

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#	
101-84-8	Diphenyl Oxide	99%Min	202-981-2	

#### 2.1 Classification of the substance or mixture:

Classification of this product has been carried out in accordance with CLP Regulations (EC) n° 1272/2008: H319: Causes serious eye irritation.

#### Classification and labelling according to CLP / GHS for the environment

H400 : Very toxic to aquatic life.

H412 : Harmful to aquatic life with long lasting effects

#### 2.2 Label Elements

##### Labelling according to Regulation (EC) No

##### 1272/2008 [CLP/GHS] Hazardous Pictograms

:



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**Signal word: Warning**

## HAZARDS STATEMENT

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

## PRECAUTIONARY STATEMENT

P264: Wash ... thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... P273: Avoid release to the environment.

P391: Collect spillage.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P501 : Dispose of contents/container to ... ..in accordance with local/regional/national /international regulations (to be specified).

Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

#### POTENTIAL HEALTH EFFECTS

<b>Eye</b>	May cause irritation in the eyes
<b>Skin</b>	May cause irritation on the skin
<b>Ingestion</b>	Not Available
<b>Inhalation</b>	Not Available
<b>Chronic</b>	Not Known

## Section 4 - First aid Measures

<b>Eyes</b>	Rinse immediately with plenty of water for 10 minutes at least.
<b>Skin</b>	Wash thoroughly with soap and water; flush with plenty of water.
<b>Ingestion</b>	Wash the mouth with water; seek medical advice immediately.
<b>Inhalation</b>	Move from exposure site to fresh air and keep at rest.
<b>Notes to Physician</b>	Treat symptomatically.



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## Section 5 - Fire Fighting Measures

**General Information** Closed containers may build up pressure at elevated temperatures. If possible, containers should be cooled with a water spray.

**Extinguishing Media** CO<sub>2</sub>, foam, dry chemicals.

## Section 6 - Accidental Release Measures

**General Information** Prevent any contact with hot surfaces. Do not approach facing the wind.

**Spills/Leaks** Contain spilled material. Cover with an inert, non-combustible, inorganic absorbent material.

## Section 7 - Handling and Storage

**Handling** Apply according to good manufacturing and industrial hygiene practices with proper ventilation.

**Storage** Store in cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls** Ensure good ventilation of the work station.

### PERSONAL PROTECTIVE EQUIPMENT

**Eyes** Use safety glasses.

**Skin** Avoid skin contact. Use chemical resistant gloves as needed.

**Respirators** Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions



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## Section 9 - Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

- a) Appearance : Colourless, crystalline liquid [ $>27^{\circ}\text{C}$ ],
- b) Physical State : Liquid
- c) Colour : Colourless
- d) Odour : Geranium-like odour
- e) pH : Not available
- f) Vapor density : 5.86 [Air - 1]
- g) Vapor pressure : 0.0225 mm Hg @  $25^{\circ}\text{C}$  ( $77^{\circ}\text{F}$ ) 0.003 kPa @  $25^{\circ}\text{C}$  ( $77^{\circ}\text{F}$ )
- h) Melting/freezing point :  $26.8^{\circ}\text{C}$  ( $80.24^{\circ}\text{F}$ )
- i) Boiling point :  $258^{\circ}\text{C}$  ( $496.4^{\circ}\text{F}$ )
- j) Solubility (water) : 18 mg/l @  $25^{\circ}\text{C}$  ( $77^{\circ}\text{F}$ )
- k) Specific Gravity : 1.07 @  $25^{\circ}\text{C}$  ( $77^{\circ}\text{F}$ )
- l) Relative Density : Not available
- m) Flash point :  $112^{\circ}\text{C}$  ( $239^{\circ}\text{F}$ ) (Close Cup ASTM D-93)
- n) Auto-ignition temperature :  $617.78^{\circ}\text{C}$  ( $1144^{\circ}\text{F}$ )
- o) Evaporation Rate :  $<$  Ether
- p) Partition Coefficient : 4.2 (n-octonal/water)
- q) Molecular weight : 170.2 g/mol
- r) Molecular Formula :  $\text{C}_{12}\text{-H}_{10}\text{-O}$
- s) Critical temperature :  $493.9^{\circ}\text{C}$  ( $921^{\circ}\text{F}$ )
- t) Dynamic viscosity : 3.491 mPa.s
- u) Flash point class : Combustible 111B
- v) Solubility (other) : Soluble in: Acetic acid, Benzene, Ethanol, Ether

### 9.2 Other safety information

No data available

## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal temp and pressure.
<b>Conditions to Avoid</b>	Avoid contact with strong acids, alkali or oxidizing agents.
<b>Incompatibilities with Other Materials</b>	strong acids, alkali or oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon Monoxide and carbon Dioxide
<b>Hazardous Polymerization</b>	Not Known.



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## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral                      Rat                      2.830g/kg  
LD50 Dermal                  Rabbit                    7.940g/kg

#### Skin corrosion/irritation

Skin                              Rabbit  
Result                          Mild Skin Irritation-24h

#### Serious eye damage/eye irritation

Eyes                              Rabbit  
Result                          Irritating to Eyes

#### Serious eye damage/eye irritation

Eyes                              Human  
Result                          Non sensitizing

#### Germ cell

#### mutagenicity

conclusive but not sufficient for classification

#### Carcinogenicity

conclusive but not sufficient for classification

#### Reproductive toxicity

Material Toxicity	Fertility	Developmental Toxin	Species	Dose	Days	Exposure/ Test
Positive		Negative	Rat	Oral : 500 mg/kg NOAEL	11days	OECD 414 Prenatal Developmental Toxicity Study

#### Specific target organ toxicity single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available



## Section 12 - Ecological Information

Other .None Available.

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## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

	IATA	IMO	RID/ADR
<b>Shipping Name:</b>	Not Regulated	Not Regulated	Not Regulated
<b>Hazard Class:</b>		Regulated	
<b>UN Number:</b>			

## Section 15 - Regulatory Information

European/International Regulations:

European Labeling in Accordance with EC Directives

Hazard Symbols:

Risk Phrases: R20/21/22

R36/37/38

Safety Phrases: Not Available.

United Kingdom Occupational Exposure Limits: Not Known.

Canada : Product is on the DSL list.

Exposure Limits

US FEDERAL

TSCA : Product is listed on the TSCA list.



## Section 16 - Additional Information

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users*

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