



# كونتيننتال الزيوت وزيوت التزييت م.م.ح Continental Oils & Lubricants F.Z.E.

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

#### Identification of substance / preparation

PRODUCT: CONTEX 100% COOLANT & ANTIFREEZE  
CHEM NAME: MIXTURE OF ORGANIC SUBSTANCES  
CHEM FAMILY: ORGANIC COMPOUNDS  
HEALTH HAZARD: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS.

#### Application

##### ANTIFREEZE LIQUIDS FOR USE IN RADIATORS

For specific application advice see appropriate Technical Data Sheet.

#### Company Identification

##### CONTINENTAL OILS AND LUBRICANTS FZE

P.O. Box 85637, RAK, U.A.E.

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical Composition

COMPONENTS	CAS #	PERCENTAGE
ETHYLENE GLYCOL	107-21-1	95 - 100 %
DISODIUM TETRABORATE PENTAHYDRATE	12179-04-3	1-5 %

### 3. HAZARDS IDENTIFICATION

Xn - Harmful if swallowed. May be harmful if inhaled or in contact with the skin. Skin and respiratory irritant.  
Severe eye irritant. Reproductive hazard.  
R 22 Harmful if swallowed  
R 36 Irritating to eyes

### 4. FIRST-AID MEASURES

#### Eyes

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.



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## **Skin**

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

## **Ingestion**

If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

## **Inhalation**

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

## **Medical Advice**

Treatment should in general be symptomatic and directed to relieving any effects.

## **5. FIRE-FIGHTING MEASURES**

Extinguishing media: CO<sub>2</sub>, sand, water, fog, dry chemicals

### **Combustion Products**

Toxic fumes may be evolved on burning or exposure to heat.  
See Stability and Reactivity, Section 10 of this Safety Data Sheet.

## **6. ACCIDENTAL RELEASE MEASURES**

Contain and recover spilled material using sand or other suitable inert absorbent material.  
It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.  
Spilled material may make surfaces slippery.  
Protect drains from potential spills to minimize contamination. Do not wash product into drainage system.  
In the case of large spills contact the appropriate authorities.  
In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment.  
Recover product from the surface. Protect environmentally sensitive areas and water supplies.

## **7. HANDLING AND STORAGE**

### **Handling Precautions**

#### **Information for safe handling:**

Ensure good ventilation at the workplace; avoid skin contact.

#### **Information about fire – and explosion protection:**

Keep away from ignition sources and storage temperatures over 100°C.



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## **Storage :**

No special requirements; keep containers closed.

## **Storage Conditions**

Store under cover away from heat and sources of ignition.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Exposure Limits**

There is no appropriate occupational exposure limit for this material.  
Ensure good ventilation.

Avoid, as far as reasonably practicable, inhalation of vapour, mists or fumes generated during use.

If vapours, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level.

### **Protective Clothing**

Wear face visor or goggles in circumstances where eye contact can accidentally occur.

If skin contact is likely, wear impervious protective clothing and/or gloves.

Protective clothing should be regularly dry-cleaned. Change heavily contaminated clothing as soon as reasonably practicable; dry clean, launder and preferably starch before re-use. Wash any contaminated underlying skin with soap and water.

### **Respiratory Protection**

Respiratory protection is unnecessary, provided the concentration of vapor, mists or fumes is adequately controlled.

The use of respiratory equipment must be strictly in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Particulars	Values
Appearance	Clear
Specific Gravity @ 20° C	1.13
pH,	8.5
Reserve Alkalinity,	18
Boiling Point, ° C	179
Glycol Content	100
Freezing Point ° C	-18



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## 10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: Stable if used according to specification. Dangerous reactions: avoid contact with strong bases, strong acids, strong oxidizing substances, perchloric acid, chromyl chloride. Protect from moisture. Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use.

### Materials to Avoid

Avoid contact with strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide, hydrogen sulphide and oxides of sulphur and phosphorus.

## 11. TOXICOLOGICAL INFORMATION

### Eyes

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

### Skin

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

## 12. ECOLOGICAL INFORMATION

### Comments about ecotoxicity:

Ecotoxicological effects: Biodegradable – more than 85% after 30 days. Degrades faster in the atmospheric environment.

## 13. DISPOSAL CONSIDERATIONS

Dispose in designated disposal containers, not into effluent or water sources.

## 14. TRANSPORT INFORMATION

Road (ADR) / Rail (RID) :	Not regulated
Transport by barge (ADNR) :	Not regulated
Marine (IMO-IMDG) :	Not regulated
Air (ICAO / IATA) :	Not regulated



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### 15. REGULATORY INFORMATION

Not classified as hazardous for supply.

This data sheet and the health, safety and environmental information it contains are considered to be accurate as of the date specified below. We have reviewed any information contained herein which we received from sources outside of Company. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practice any patented invention without a valid license. The company shall not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

### 16. OTHER INFORMATION

Explanations of R-phrases in section 2 :

R22 -- Harmful if swallowed  
R23/24/25 -- Toxic by inhalation, in contact with skin and if swallowed  
R33 -- Danger of cumulative effects  
R36/38 -- Irritating to eyes and skin  
R38 -- Irritating to skin  
R41 -- Risk of serious damage to eye  
R51/53 -- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R50/53 -- Very toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment  
R52/53 -- Harmful to aquatic organisms, may cause long-term adverse effects in aquatic environment  
R62 -- Possible risk of impaired fertility

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Continental Oils and Lubricants shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

**END OF MSDS**