

Issue Date: 18-Jun-2015

Revision Date: N/A

Version 1

## 1. IDENTIFICATION

**Product Identifier****Product Name** Rotair Food Grade**Other means of identification****SDS #** Rotair Food Grade 001**Recommended use of the chemical and restrictions on use****Recommended Use** Compressor oil**Details of the supplier of the safety data sheet****Supplier Address**ICD (International Compressor Distribution) n.v.  
Boomsesteenweg 957  
2610 Wilrijk, Belgium**Emergency Telephone Number****Company Phone Number** +32 3 870 2111**Emergency Telephone (24 hr)** Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear to yellow liquid**Physical State** Liquid**Odor** Mild**Classification**

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
**	**	**

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

**First Aid Measures****Eye Contact**

Rinse cautiously with water for 20 minutes or until chemical is removed. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical attention.

**Skin Contact**

Wash with soap and water for 30 minutes or until chemical is removed. Immediately remove all contaminated clothing. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If experiencing respiratory symptoms call a poison center or doctor.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to a person who is losing consciousness, unconscious or convulsing. Rinse mouth and then drink plenty of water, seek medical attention. Call a poison center or doctor if exposed or you feel unwell.

**Most important symptoms and effects**

<b>Symptoms</b>	Not expected to cause eye irritation. Not expected to be a primary skin irritant. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying and cracking of the skin.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

CO2, dry chemical, foam, water spray, water fog. Water can be used to cool and protect exposed material.

**Unsuitable Extinguishing Media** Do not use a solid stream of water. Do not use a water jet.

**Specific Hazards Arising from the Chemical**

**Hazardous Combustion Products** Burning may produce irritating, toxic and obnoxious fumes. Container may rupture in a fire situation. Keep material away from heat, sparks, pilot lights, static electricity and open flame.

**Protective equipment and precautions for firefighters**

Wear full protective fire gear including self-containing breathing apparatus operated in the positive pressure mode with full face piece, coat, pants, gloves and boots.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions**

**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Stop spill and dike area to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.
<b>Methods for Clean-Up</b>	Small spills: contain spilled material. Transfer to secure containers. Where necessary collect using absorbent media. Larger spills: Contain spilled material. Place in metal containers for recovery or disposal. Pump any free liquid into an appropriate closed container.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

<b>Advice on Safe Handling</b>	<p>S^^] Áq æ Á{ { Á} á} Á{ ~!&amp;•Á ~&amp;@æÁ] æ\•Áq áÁ] ^) Áq ^•Ép [ Á{ [ \á *ÉV•^Á  , á@æá^~ æ^Á^} çæá} ÉU] ^) Á[ } çæá \!Á Áq ^  Á^} çæá áÁæ^æÁç[ áÁ/\æ@ * Áç [ !•É  S^^] Á[ } çæá \!•Á[ \•áÁ @} Á [ çá Á•^Éç[ áÁ![[ ] *^áÁ ç [ •!^Á Á çæá áÁæÁç[ áÁ  ^^^Á[ } çæáç[ áÁ^] ^æáÁ!Á![[ ] *^áÁ \á Á[ } çæáç [ Áç] áá * Éá [ Á [ Áæá!á \Á!Á  •{ [ \^É</p>
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**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep material away from heat, sparks, pilot lights, static electricity and open flame. Store separately from oxidizers. Store in a cool, dry, well-ventilated area. Do not store in direct sunlight. Store separately from incompatible materials. Store in containers made of same material as original container. Do not store in open, unlabeled or mislabeled containers.

**Incompatible Materials****8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

**Appropriate engineering controls****Engineering Controls**

If use generates a mist or vapor, local exhaust ventilation is recommended. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits. Prevent inhalation by providing effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist, or vapor away from workers.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Safety glasses. If potential for splash or mist exists, wear chemical goggles or faceshield.

**Skin and Body Protection**

Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse. Use good industrial hygiene practices. In case of skin contact, wash hands and arms thoroughly with soap and water to prevent a skin reaction. Consult clothing/glove manufacturer to determine appropriate type of glove for given situation. Gloves should always be inspected before each use and discarded if they show tears, pinholes, or signs of wear. Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

**Respiratory Protection**

Use NIOSH/MSHA approved respirator with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

**General Hygiene Considerations**

Use good industrial hygiene practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Clear to yellow liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear to yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not determined	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	Not determined	
<b>Flash Point</b>	246 °C/ 457 °F COC (Typical)	ASTM D-92
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	Liquid-Not applicable	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	(Air=1)
<b>Specific Gravity</b>	0.84 at 20 °C / 68 °F	
<b>Water Solubility</b>	Insoluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	300 °C/ 572 °F	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Material does not have explosive properties	
<b>Oxidizing Properties</b>	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions

### Chemical Stability

Material is normally stable at moderately elevated temperatures and pressures.

### Possibility of Hazardous Reactions

None under normal processing

### Hazardous Polymerization

Will not occur under normal conditions of storage and use.

### Conditions to Avoid

Do not expose to excessive heat, ignition sources, or oxidizing materials. Direct sunlight. Contact with strong oxidizers.

### Incompatible Materials

Strong oxidizing agents

### Hazardous Decomposition Products

Hazardous decomposition products are not expected to form during normal storage.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Do not inhale.

**Ingestion** Do not ingest.

### Component Information

#### Information on physical, chemical and toxicological effects

**Symptoms** Please see section 4 of this SDS for symptoms.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Carcinogenicity** No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

#### Numerical measures of toxicity

Not determined.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecotoxicological data have not been determined specifically for this product. Information given is based on knowledge of the components and the ecotoxicology of similar products.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
	Not determined	Not determined	Not determined	Not determined

**Persistence/Degradability** Adequate data is not available to estimate the bio degradation potential of this material.

### Bioaccumulation

Less than 1.0% of the components potentially bio concentrate, based on octanol/water coefficients.

### Mobility

Not determined.

### Other Adverse Effects

Not determined

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

##### **Disposal of Wastes**

This material, if discarded, is not hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

##### **Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

#### Note

Review classification requirements before shipping materials at elevated temperatures.

#### DOT

Not regulated

#### IATA

Not regulated

#### IMDG

Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
	Present	Present				Present	Present	Present	Present	Present

#### **Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*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 and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA** Defined as an "oil" under CERCLA Petroleum Exclusion therefore releases to the environment are not reportable under CERCLA.

**SARA 311/312 Hazard Categories**

No SARA 311/312 hazards.

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**SARA 313**

This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA section 313.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	1	0	N/E
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	0	1	0	Not determined

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**Disclaimer**

The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.

**End of Safety Data Sheet**