

Material Safety Data Sheet

1 Material and company identification

Material Name : Roto-Foodgrade Fluid
Product Use : Compressor oil
Product Code : 0017 5300 07
Manufacturer/Supplier : Atlas Copco Compressors Canada,
30 Montrose, Dollard-des-Ormeaux,
Quebec, H9B 3J9, Canada
Telephone : Please contact Atlas Copco Canada +1-800-513-3782 or the Atlas
Copco Airpower office in Belgium: +32 3 870 2111 (8am-5pm CET)
Email Contact for Safety Data Sheet : If you have any enquiries about the content of this Material Safety Data
Sheet please email info.lubricants.cts@group.atlascopco.com
Emergency Telephone Number : Only for medical related issues, please contact medical service of Atlas
Copco Airpower in Belgium: +32 3 870 2105 (8am-5pm CET)

2 Hazard(s) identification

Emergency Overview:
Appearance:
Color : Colorless to yellow
Form : liquid
Odor : Mild

3 Composition/information on ingredients

Mixtures
General information : No hazardous ingredients.

4 First-aid measures

- 4.1** **Ingestion** : Treat symptomatically. Get medical attention.
Inhalation : Remove exposed person to fresh air if adverse effects are observed.
Skin Contact : Wash with soap and water. If skin irritation occurs, get medical
attention.
Eye contact : Any material that contacts the eye should be washed out immediately
with water. If easy to do, remove contact lenses.
- 4.2** **Most important symptoms/effects, acute and delayed**
Symptoms : See section 11.
- 4.3** **Indication of immediate medical attention and special treatment needed**
Treatment : Treat symptomatically.

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5 Fire fighting measures

General Fire Hazards

: No unusual fire or explosion hazards noted.

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

: CO₂, dry chemical, foam, water spray, water fog.

Unsuitable extinguishing media

: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

: A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. See section 10 for additional information.

5.2 Special protective equipment and precautions for firefighters

Special fire fighting procedures

: No data available.

Special protective equipment for fire-fighters

: Recommend wearing self-contained breathing apparatus.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

: No data available.

6.2 Methods and material for containment and cleaning up

: Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

6.3 Environmental Precautions

: Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

7 Handling and storage

7.1 Precautions for safe handling:

Do not breathe thermal decomposition products.
Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

7.2 Maximum Handling Temperature

: Not determined.

7.3 Conditions for safe storage, including any incompatibilities

: Store away from incompatible materials. See section 10 for incompatible materials.

7.4 Maximum Storage Temperature

: Not determined.

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8 Exposure controls/personal protection

8.1 Control Parameters:

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate engineering controls

: Mechanical ventilation or local exhaust ventilation may be required. No special requirements under ordinary conditions of use and with adequate ventilation.

8.2 Individual protection measures, such as personal protective equipment

General information

: Use personal protective equipment as required.
 Eye/face protection : If contact is likely, safety glasses with side shields are recommended.

Skin Protection

Hand Protection : Suitable gloves can be recommended by the glove supplier. 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.

8.3 Other : No data available.

Respiratory Protection

: Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9 Physical and chemical properties

9.1 Appearance

Physical state : liquid
Form : liquid
Color : Colorless to yellow
Odor : Mild
Odor threshold : No data available.
pH : No data available.
Freezing point : No data available.
Boiling Point : No data available.
Flash Point : 475.0 °F (246.1 °C) (Cleveland Open Cup)
Evaporation rate : No data available.

Flammability (solid, gas)

: No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%)

: No data available.

Flammability limit - lower (%)

: No data available.

Explosive limit - upper (%)

: No data available.

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Explosive limit - lower (%)

: No data available.

Vapor pressure : No data available.

Vapor density : No data available.

Relative density : 0.84 68 °F (20 °C)

Solubility(ies)

Solubility in water : Insoluble in water

Solubility (other) : No data available.

Partition coefficient (n-octanol/water)

: No data available.

Auto-ignition temperature

: No data available.

Decomposition temperature

: No data available.

Viscosity : 51 mm²/s (104 °F (40 °C)) 8.2 mm²/s (100 °C (212 °F))

9.2 Other information

Bulk density : 6.99 lb/gal

10 Stability and reactivity

10.1 Reactivity : No data available.

10.2 Chemical Stability : Material is stable under normal conditions.

10.3 Possibility of Hazardous Reactions

: Will not occur.

10.4 Conditions to Avoid : Not determined.

10.5 Incompatible Materials

: Strong bases. Strong mineral acids and strong oxidizing agents.

10.6 Hazardous Decomposition Products

: Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11 Toxicological information

11.1 Information on likely routes of exposure

Inhalation : No data available.

Ingestion : No data available.

Skin Contact : No data available.

Eye contact : No data available.

11.2 Information on toxicological effects

Acute toxicity

Oral : No data available

Dermal : No data available

Inhalation : No data available

11.3 Skin Corrosion/Irritation:

Product : 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.

Remarks: Not classified as a primary skin irritant.

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11.4 Serious Eye Damage/Eye Irritation:
 Product : Remarks: Not classified as a primary eye irritant.

Respiratory sensitization:

: No data available

Skin sensitization : No data available

Specific Target Organ Toxicity - Single Exposure

: No data available

Aspiration Hazard : No data available

11.5 Chronic Effects

Carcinogenicity : No data available

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

: No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens

: No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

: No carcinogenic components identified

Germ Cell Mutagenicity

: No data available

Reproductive toxicity

: No data available

Specific Target Organ Toxicity - Repeated Exposure

: No data available

12 Ecological information

12.1 Ecotoxicity

Fish : No data available

Aquatic Invertebrates

: No data available

Toxicity to Aquatic Plants

: No data available

Toxicity to soil dwelling organisms

: No data available

Sediment Toxicity : No data available

Toxicity to Terrestrial Plants

: No data available

Toxicity to Above-Ground Organisms

: No data available

Toxicity to microorganisms

: No data available

12.2 Persistence and Degradability

Biodegradation : No data available

12.3 Bioaccumulative Potential

Bioconcentration Factor (BCF)

: No data available

Partition Coefficient n-octanol / water (log Kow)

: No data available

Mobility : No data available

Other Adverse Effects

: No data available.

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13 Disposal considerations

13.1 Disposal instructions

: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging

: Container packaging may exhibit hazards.

14 Transport information

14.1 **IMDG** : Not regulated.

IATA : Not regulated.

14.2 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

: None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Review classification requirements before shipping materials at elevated temperatures.

15. Regulatory information

15.1 Canadian Controlled Products Regulations

: This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the SDS contains all required information.

WHMIS Classification

: NC: Non-Controlled

HMIRA Status

: Not Registered

15.2 Inventory Status

Australia (AICS)

All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDSL)

All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH)

To obtain information on the REACH compliance status of this product, please visit Lubrizol.com/REACH, or e-mail us at REACH_MSDS_INQUIRIES@Lubrizol.com

Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)

All components are in compliance in Korea.

New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

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Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA)

This product requires notification before sale in Taiwan.

United States (TSCA)

All components of this material are on the US TSCA Inventory.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

None known.

SARA 302 Extremely Hazardous Substance

SARA 304 Emergency Release Notification

SARA 311/312 Hazardous Chemical

SARA 313 (TRI Reporting)

This product may contain chemical(s) regulated under the Superfund Amendments and Reauthorization Act (SARA). For additional information please contact Lubrizol Customer Assistance: America(s): AmerLZAMCustomerAssistance@Lubrizol.com ; Europe: EMEAICustomerAssistance@Lubrizol.com ; Asia: APCustomerAssistance@Lubrizol.com

US State Regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

16 Other information, including date of preparation or last revision

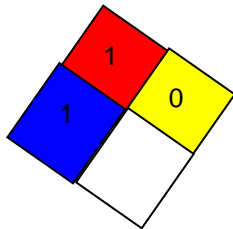
HMIS Hazard ID

Health		0
Flammability		1
Physical Hazards		0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

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NFPA Hazard ID



Flammability
Health
Reactivity
Special Hazards

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

- 16.1 Issue Date** : 01.06.2016
- 16.2 Version #** : 1.0
- 16.3 Source of information** : Internal company data and other publically available resources.
- 16.4 Further Information** : Contact supplier (see Section 1)
- 16.5 Disclaimer** : As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.