

FSC-MAX FLUID



FSC-8000

COMPRESSOR FLUID

Safety Data Sheet (SDS)

1. Identification

Product identifier

Trade name FSC-8000
Product description Compressor Fluid

Details of the supplier of the safety data sheet

Manufacturer/supplier Max Fluid
1905 Kienlen Ave. - St. Louis, MO 63133
+1-314-383-1300
Emergency telephone number +1-314-383-1300

Recommended use of the chemical and restrictions on use

Recommended use: This product is used for the lubrication of air and inert gas compressors of the rotary screw type. This compressor oil should NEVER be used in equipment compressing pure oxygen or other chemically active gases such as chlorine or hydrogen chloride. DO NOT USE in breathing air apparatus or medical equipment.

Prepared by: Product Safety

2. Hazard(s) Identification

Emergency Overview

Appearance	viscous liquid
Colour	Pale yellow.
Odour	Hydrocarbon.

GHS Classification Not a hazardous substance or mixture.

GHS Label elemen Not a hazardous substance or mixture.

Potential Health Effects

Primary Routes of Entry Eye contact, Ingestion, Inhalation, Skin contact

Aggravated Medical None known.

Condition - Carcinogenicity:

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. Composition / Information on Ingredients

Chemical characterization	Mixtures
Dangerous Components	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based.
	Concentration (%) 1 - 5 %

4. First-aid Measures

Description of first aid measures

If inhaled	Move to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical advice.
In case of skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Seek medical advice.
In case of eye contact	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
If swallowed	Rinse mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Seek medical advice.
Most important symptoms and effects, both acute and delayed	First aider needs to protect himself.

5. Fire-fighting Measures

Extinguishing medias

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.
Specific hazards during firefighting	Cool closed containers exposed to fire with water spray.
Hazardous combustion products	Carbon oxides (CO, CO ₂), smoke and irritating vapours as products of incomplete combustion.
Further information	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Personal precautions, protective

Use personal protective equipment.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Material can create slippery conditions.

Environmental precautions

Do not allow uncontrolled discharge of product into the environment.

Methods and material for
containment and cleaning up

Prevent further leakage or spillage if safe to do so.
Remove all sources of ignition.
Soak up with inert absorbent material.
Non-sparking tools should be used.
Ensure adequate ventilation.
Contact the proper local authorities.

7. Handling and Storage

Advice on safe handling

For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Use only with adequate ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.
Avoid contact with skin, eyes and clothing.
Do not ingest.
Keep away from heat and sources of ignition.
Keep container closed when not in use.

Conditions for safe storage

Store in original container.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep in a dry, cool and well-ventilated place.
Keep in properly labelled containers.
To maintain product quality, do not store in heat or direct sunlight.

8. Exposure Controls / Personal Protection

Components with workplace control parameters

Components with occupational exposure limits

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

Engineering measures

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Breathing equipment

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter type

Organic vapour filter

Hand protection material

Neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).

Remarks

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection

Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Protective measures

Wash contaminated clothing before re-use.

Hygiene measures

Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash face, hands and any exposed skin thoroughly after handling.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance

Form	Viscous liquid
Color	Pale yellow
Odor	Hydrocarbon
Odor Threshold	Not determined
pH-value	Not determined
Change in condition	
Pour point	-42 °C (-44 °F)
Boiling point/Boiling range	No data available
Flash Point	253 °C (487 °F). Method: Cleveland open cup
Fire Point	271 °C (520 °F)
Ignition temperature	
Auto-igniting	Not determined
Danger of explosion	Not determined
Flammability (solid, gaseous)	Low fire hazard. This material must be heated before ignition will occur.
Explosion limits	
Lower	Not determined
Upper	Not determined
Vapor Pressure	No data available
Relative vapour density	No data available
Density	0.861 kg/l (15 °C / 59 °F)
Solubility(ies)	
Water solubility	Insoluble
Partition coefficient: n-octanol/water	No data available
Viscosity	
Viscosity, kinematic	47.2 cSt (40 °C / 104 °F) 7.24 cSt (100 °C / 212 °F)
Explosive properties	Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

10. Stability and Reactivity

Possibility of hazardous reactions	Hazardous polymerisation does not occur. Stable under normal conditions.
Conditions to avoid	No further relevant information available
Incompatible materials	Reactive with oxidising agents, acids, alkalis and reducing agents.
Hazardous decomposition products	May release COx, methacrylate monomers, smoke and irritating vapours when heated to decomposition.

11. Toxicological Information

Information on likely routes of exposure	Eye contact Ingestion Inhalation Skin contact
Acute toxicity Product	
Acute oral toxicity	No data available
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin corrosion/irritation	No data available
Components	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	No skin irritation. No eye irritation.
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT - single exposure	No data available
STOT - repeated exposure	No data available

12. Ecological Information

Ecotoxicity

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to bacteria	No data available

Persistence and degradability

Biodegradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. Disposal Considerations

Waste from residues

Recommendation

The product should not be allowed to enter drains, water courses or the soil. Offer surplus and non-recyclable solutions to a licensed disposal company. Waste must be classified and labelled prior to recycling or disposal. Send to a licensed waste management company. Dispose of as hazardous waste in compliance with local and national regulations. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

14. Transportation Information

International Regulation

IATA-DGR	Non-regulated material
IMDG-Code	Non-regulated material
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable for product as supplied
49 CFR	Not regulated as a dangerous good
TDG	Not regulated as a dangerous good
Special precautions for user	Not applicable

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15. Regulatory Information

The components of this product are reported in the following inventories:

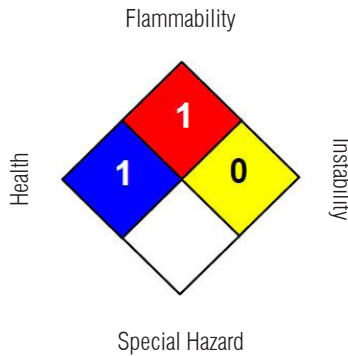
DSL	On the inventory, or in compliance with the inventory
TSCA	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.
IECSC	On the inventory, or in compliance with the inventory
ELINCS	On the inventory, or in compliance with the inventory

16. Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

Further Information

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic