

SAFETY DATA SHEET

Rotary Screw Air Compressor Oil - Synthetic ISO 46

SECTION 1: IDENTIFICATION

1.1. Product identifier:

▼ Trade name:	Rotary Screw Air Compressor Oil - Synthetic ISO 46
▼ Other names / Synonyms:	1-Propene, 2-methyl-, homopolymer
Product no.:	103101-7, 103101-39, 103101-389

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses of the substance or mixture:	Lubricating Oil
Uses advised against :	None known.

1.3. Details of the supplier of the safety data sheet:

Company and address:	TMC Industries, Inc. 1423 Mill Lane Waconia, Minnesota 55387 USA TF: +1 (800) 772-8179 www.tmcindustries.com
Contact person:	Nick Hansen
E-mail:	sales@tmcindustries.com
SDS date:	10/28/2024
SDS Version:	2.0
Date of previous version:	10/28/2024 (1.0)

1.4. Emergency telephone number:

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case
See also section 4 "First aid measures".

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture:

Not classified according to HCS (29 CFR 1910.1200)

2.2. Label elements:

Hazard pictogram(s):	Not applicable.
Signal word:	Not applicable.
Hazard statement(s):	
Precautionary statement(s):	
General:	-
Prevention:	-
Response:	-
Storage:	-

Disposal: -
Additional labelling: Not applicable.

2.3. Other hazards:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable. This product is a mixture.

3.2. Mixtures:

Product/substance	Identifiers	% w/w	Classification	Note
1-Propene, 2-methyl-, homopolymer	CAS No.: 9003-27-4	1-3%		

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information:

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SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures:

General information: If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation: In case of discomfort: bring the person into fresh air.

Skin contact: Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

Eye contact: Rinse gently with lukewarm water. Remove any contact lenses if this is easy to do. Continue rinsing. In case of persistent eye irritation or discomfort: Seek medical help.

Ingestion: Rinse and flush mouth thoroughly and consume large quantities of water. In case of continued discomfort: seek medical assistance and bring this safety data sheet.

Burns: Not applicable.

4.2. Most important symptoms and effects, both acute and delayed:

None known.

4.3. Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

Information to medics:

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture:

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters:

No specific requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Contaminated areas may be slippery.

6.2. Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc.

Keep unauthorized persons away from the spill

6.3. Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections:

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities:

No special conditions required.

Recommended storage material:

Always store in containers of the same material as the original container.

Liquid class:

Combustible Liquid / Class IIIB (NFPA 30)

Storage conditions:

No specific requirements

Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s):

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

8.2. Exposure controls:

Apply general control to prevent unnecessary exposure

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures:

Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

Wash hands after use.

Measures to avoid environmental exposure:

No specific requirements.

Individual protection measures, such as personal protective equipment:

Generally: Use only protective equipment with a recognized certification mark, e.g. the UL mark.


Respiratory Equipment:

Type	Class	Colour	Standards
No specific requirements			

Skin protection:


Work situation	Recommended	Type/Category	Standards
if the situation requires.	Use proper protective clothing	Use proper protective clothing	

Hand protection:

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
if the situation requires.	Chemical Resistant gloves			

Eye protection:

Work situation	Type	Standards
if the situation requires.	In the likelihood of direct or incidental exposure, use face protection.	EN166



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

- Physical state:** Liquid
- Color:** Yellowish
- Odor:** Mild
- Odor threshold (ppm):** Not applicable
- pH:** No data available
- Density (g/cm³):** No relevant or available data due to the nature of the product.
- Relative density:** 0.8524
- Kinematic viscosity:** 7.6 centistokes (100 °C)
- Particle characteristics:** No data available
- Phase changes:**
- Melting point/freezing point (°F):** -34.6
- Melting point/freezing point (°C):** -37
- Softening point/range (°F):** Does not apply to liquids.
- Boiling point (°F):** No data available
- Vapor pressure:** No data available
- Relative vapor density:** No data available
- Decomposition temperature (°F):** No data available

Data on fire and explosion hazards:

Flash point (°F):	482
Flash point (°C):	250
Flammability (°F):	No data available
Auto-ignition temperature (°F):	No data available
Explosion limits (% v/v):	No data available

Solubility:

Solubility in water:	No data available
n-octanol/water coefficient (LogKow):	No data available
Solubility in fat (g/L):	No data available

9.2. Other information:

Thermal stability:	Stable under normal conditions.
Evaporation rate (n-butylacetate = 100):	No data available
Other physical and chemical parameters:	No data available.
Oxidizing properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

No data available.

10.2. Chemical stability:

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions, including those associated with foreseeable emergencies:

None known.

10.4. Conditions to avoid:

None known.

10.5. Incompatible materials:

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

▼ Acute toxicity:

Product/substance	Rotary Screw Air Compressor Oil - Synthetic ISO 46
Other information:	None known.

▼ Skin corrosion/irritation:

Product/substance	Rotary Screw Air Compressor Oil - Synthetic ISO 46
Result:	No data available or data is not sufficient for classification.

▼ Serious eye damage/irritation:

Product/substance	Rotary Screw Air Compressor Oil - Synthetic ISO 46
Result:	No data available or data is not sufficient for classification.

▼ Respiratory sensitisation:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Result: For the components(s), either no data are available or the data are not sufficient for the classification.

▼ Skin sensitisation:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Result: For the components(s), either no data are available or the data are not sufficient for the classification.

▼ Germ cell mutagenicity:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No data available or the data not sufficient for classification.

▼ Carcinogenicity:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No data available or the data not sufficient for classification.

▼ Reproductive toxicity:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No data available or the data not sufficient for classification.

▼ STOT-single exposure:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No data available or the data not sufficient for classification.

▼ STOT-repeated exposure:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No data available or the data not sufficient for classification.

▼ Aspiration hazard:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No data available or the data is not sufficient for classification.

Long term effects:

None known.

Other information:

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. ▼ Toxicity:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Species: Fish, *Oncorhynchus mykiss*
Compartment: Freshwater
Duration: 96 hours
Test: LC50
Result: >5600000 µg/L

12.2. ▼ Persistence and degradability:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No Data Available

12.3. ▼ Bioaccumulative potential:

Product/substance: Rotary Screw Air Compressor Oil - Synthetic ISO 46
Conclusion: No Data Available

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects:

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261):

None of the components are listed

Specific labelling:

Contaminated packing:

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

Additional information:

Not dangerous goods according to DOT, IATA and IMDG.

14.6. Special precautions for user:

Not applicable.

14.7. Transport in bulk according to IMO instruments:

No data available.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:

15.2. U.S. Federal regulations:

- TSCA (the non-confidential portion):** None of the components are listed
- Clean Air Act:** None of the components are listed
- EPCRA Section 302:** None of the components are listed
- EPCRA Section 304:** None of the components are listed
- EPCRA section 313:** None of the components are listed
- CERCLA:** None of the components are listed
- Hazardous chemical inventory reporting:** This product is not subject to Tier II reporting.
- State regulations:**

 - California / Prop. 65:** None of the components are listed
 - Massachusetts / Right To Know Act:** None of the components are listed

New Jersey / Right To Know Act: None of the components are listed

New York / Right To Know Act: None of the components are listed

Pennsylvania / Right To Know Act: None of the components are listed

15.4. Restrictions for application:
No special.

15.5. Demands for specific education:
No specific requirements.

15.6. Additional information:
Not applicable.

15.7. Chemical safety assessment:
No

15.8. Sources:
OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

The full text of identified uses as mentioned in section 1:
None known.

Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists
 ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 CAS = Chemical Abstracts Service
 CERCLA = Comprehensive Environmental Response Compensation and Liability Act
 DOT = Department of Transportation
 EINECS = European Inventory of Existing Commercial chemical Substances
 EPCRA = Emergency Planning and Community Right-To-Know Act
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 HCIS = Hazardous Chemical Information System
 HNOC = Hazards Not Otherwise Classified
 IARC = International Agency for Research on Cancer
 IATA = International Air Transport Association
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NFPA = National Fire Protection Association
 NIOSH = National Institute for Occupational Safety and Health
 OECD = Organisation for Economic Co-operation and Development
 OSHA = Occupational Safety and Health Administration
 PBT = Persistent, Bioaccumulative and Toxic
 RCRA = Resource Conservation and Recovery Act
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 RRN = REACH Registration Number
 SARA = Superfund Amendments and Reauthorization Act
 SCL = A specific concentration limit.
 STEL = Short-term exposure limits
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
 STOT-SE = Specific Target Organ Toxicity - Single Exposure
 TSCA = The Toxic Substances Control Act
 TWA = Time weighted average
 UN = United Nations
 UVBC = Unknown or variable composition, complex reaction products or of biological materials
 VOC = Volatile Organic Compound
 vPvB = Very Persistent and Very Bioaccumulative

Additional information:

In accordance with HCS (29 CFR 1910.1200(g)), a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information.

The safety data sheet is validated by:

TMC Industries, Inc. - QC Department

Other:

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en