

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name • **ND-12 Compressor Oil**

Synonyms • 68224150AA; 68224150AB

Relevant identified uses of the substance or mixture and uses advised against

Recommended use • Refrigerant Oil.

Restrictions on use • No information available

Details of the supplier of the safety data sheet

Manufacturer • Mopar (FCA US LLC Service & Customer Care Division)
26311 Lawrence Ave.
Center Line, MI 48015
United States

MoparSDS@fcagroup.com

Telephone (General) • 1-800-84-Mopar

Emergency telephone number

Manufacturer • 248-512-8002

Section 2: Hazard Identification

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012 • H317 Skin Sensitization Category 1
H361 Reproductive Toxicity 2

Label elements

OSHA HCS 2012

WARNING

Hazard statements • H317 - May cause an allergic skin reaction.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements

- Prevention**
- P201 Obtain special instructions before use.
 - P202 - Do not handle until all safety precautions have been read and understood.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P261 Avoid breathing dust, vapor, mist, or gas.
 - P272 Contaminated work clothing should not be allowed out of the workplace.

- Response**
- P321 - Specific treatment (see details on this label).
 - P362 + P364 - Take off contaminated clothing and wash it before reuse.
 - P308 + P313 IF exposed or concerned: Get medical advice/attention.
 - P302 + P352 IF ON SKIN: Wash with plenty of soap and water
 - P363 Wash contaminated clothing before reuse.
 - P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

- Storage/Disposal**
- P405 Store locked up.
 - P501 Dispose of contents/ container to an approved waste disposal plant
 - P102 KEEP OUT OF REACH OF CHILDREN

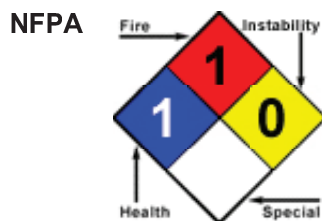
Other hazards

OSHA HCS 2012

- Hazards not otherwise classified (HNOC): Not applicable.

Other information

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life
- 3.6% of the mixture consists of ingredient(s) of unknown toxicity



HMIS • Health: 1, Flammability: 1, Physical Hazards: 0

Section 3 - Composition/Information on Ingredients

Substances

Mixtures

Composition				
Chemical Name	Identifiers	%	LD50/LC50	Comments
Polyether compound		90% TO 100%		Confidential
Tricresylphosphate	EC Number: REACH: UN:UN2574	< 1%	Ingestion/Oral-Rat LD50 • 3000 mg/kg	NDA

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation**
- Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.
- Skin**
- Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
- Eye**
- Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- Ingestion**
- Do not induce vomiting without medical advice. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

- No data available

Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- Treat symptomatically.

Other information

- General advice: If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Section 5: Fire-Fighting Measures

Extinguishing media

- Suitable Extinguishing Media**
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable Extinguishing Media**
- Keep product and empty container away from heat and sources of ignition.

Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- No data available
- Hazardous Combustion Products**
- During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and / or irritating. Combustion products may include and are not limited to. Carbon oxides. Nitrogen oxides (NOx). Oxides of Phosphorus.

Advice for firefighters

- As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Other information

- Flammable Properties NFPA: Class IIIB Combustible Liquid

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Avoid contact with the skin and the eyes. Use personal protective equipment. Remove all sources of ignition. Avoid breathing vapors or mists. Ensure adequate ventilation.
- Emergency Procedures**
- No data available

Environmental precautions

- Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into

waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Containment/Clean-up Measures

- Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

LARGE SPILLS

Eliminate sources of ignition. Prevent additional discharge of material if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Also, if this product is subject to CERCLA reporting (see Section 15 Regulatory Information) notify the National Response Center.

WATER SPILLS

Prevent liquid entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent. If liquid is too viscous for pumping, scrape up. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Wear personal protective equipment. Do not breathe vapors or spray mist. Ensure adequate ventilation. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practices.

Conditions for safe storage, including any incompatibilities

Storage

- Keep in properly labeled containers. Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure controls

Engineering Measures/Controls

- Ensure adequate ventilation, especially in confined areas. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal Protective Equipment

Respiratory

- The need for respiratory protection is not anticipated under normal use conditions and with adequate ventilation. If elevated airborne concentrations above applicable workplace exposure levels are anticipated, a NIOSH-approved organic vapor respirator equipped with a dust/mist prefilter should be used. Protection factors vary depending upon the type of respirator used. Respirators should be used in accordance with OSHA requirements (29 CFR 1910.134).

Eye/Face

- Safety glasses equipped with side shields are recommended as minimum protection in industrial settings. If splashes are likely to occur wear tight fitting safety goggles and/or face-shield.

Hands**Skin/Body****General Industrial Hygiene Considerations****Environmental Exposure Controls**

- Glove Type: Neoprene, Nitriles.
- Wear protective gloves/clothing. Choose the appropriate protective clothing / gloves based on the tasks being performed to avoid exposed skin surfaces.
- When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.
- No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Clear
Color	Clear / Colorless.	Odor	Mild
Taste	No data available	Particulate Type	No data available
Particulate Size	No data available	Aerosol Type	No data available
Odor Threshold	No data available	Physical and Chemical Properties	No data available
General Properties			
Boiling Point	No data available	Melting Point	Not applicable
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	Not applicable	Specific Gravity/Relative Density	No data available
Density	0.98 g/mL @ 15 C(59 F)	Bulk Density	No data available
Water Solubility	No data available	Solvent Solubility	No data available
Viscosity	39.5 Centistoke (cSt, cS) or mm ² /sec @ 40 C(104 F) 9.08cSt @100C	Explosive Properties	No data available
Oxidizing Properties:	No data available		
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available	VOC (Wt.)	No data available
VOC (Vol.)	No data available	Volatiles (Wt.)	No data available
Volatiles (Vol.)	No data available		
Flammability			
Flash Point	182 C(359.6 F) COC (Cleveland Open Cup) ASTM D92	UEL	No data available
LEL	No data available	Autoignition	No data available
Self-Accelerating Decomposition Temperature (SADT)	No data available	Burning Time	No data available
Flame Height	No data available	Flame Extension	No data available
Ignition Distance	No data available	Flame Duration	No data available
Burning Rate Test	No data available	Flammability (solid, gas)	No data available
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD ₅	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

Section 10: Stability and Reactivity

Reactivity

- The product is chemically stable.

Chemical stability

- Stable under recommended storage conditions.

Possibility of hazardous reactions

- None under normal processing.

Conditions to avoid

- Heat, flames and sparks.

Incompatible materials

- Strong oxidizing agents.

Hazardous decomposition products

- Thermal decomposition can lead to release of irritating gases and vapors.

Section 11 - Toxicological Information

Information on toxicological effects

GHS Properties	Classification
Acute toxicity	OSHA HCS 2012 • Data lacking
Aspiration Hazard	OSHA HCS 2012 • Data lacking
Carcinogenicity	OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	OSHA HCS 2012 • Data lacking
Skin sensitization	OSHA HCS 2012 • Data lacking
STOT-RE	OSHA HCS 2012 • Data lacking
STOT-SE	OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	OSHA HCS 2012 • Data lacking
Respiratory sensitization	OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - May cause irritation of respiratory tract.
- Chronic (Delayed)**
 - No data available

Skin

- Acute (Immediate)**
 - May cause an allergic skin reaction.
- Chronic (Delayed)**
 - No data available

Eye

Acute (Immediate)	<ul style="list-style-type: none">● May cause slight irritation.
Chronic (Delayed)	<ul style="list-style-type: none">● No data available
Ingestion	
Acute (Immediate)	<ul style="list-style-type: none">● May be harmful if swallowed.
Chronic (Delayed)	<ul style="list-style-type: none">● No data available
Other	
Acute (Immediate)	<ul style="list-style-type: none">● Unknown acute toxicity 3.6% of the mixture consists of ingredient(s) of unknown toxicity. <p>The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.</p>
Carcinogenic Effects	<ul style="list-style-type: none">● 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, IARC, OSHA, or ACGIH.
Reproductive Effects	<ul style="list-style-type: none">● Not available.
Other information	<ul style="list-style-type: none">● STOT - single exposure None known.● STOT - repeated exposure None known.● Aspiration hazard No information available.● Sensitization: May cause sensitization of susceptible persons. <p>Legend: NTP: (National Toxicity Program), ACGIH: (American Conference of Governmental Industrial Hygienists), IARC: (International Agency for Research on Cancer), OSHA: (Occupational Safety & Health Administration)</p>

Section 12 - Ecological Information

Toxicity

- Harmful to aquatic life
- Harmful to aquatic life with long lasting effects
- 98.2% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

- No data available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261

to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Packaging waste

- Dispose of in accordance with local regulations.

Other Information

- Hazard characteristic and regulatory waste stream classification can change with product use. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

To minimize exposure, see Section 8 (Exposure Controls/Personal Protection) of the SDS.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	NDA	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
IATA/ICAO	NDA	NDA	NDA	NDA	NDA

Special precautions for user • No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Other information

- DOT • Not regulated.
 IMO/IMDG • Not regulated.
 IATA/ICAO • Not regulated.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • SARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazardous Categorization
 Acute Health Hazard Yes
 Chronic Health Hazard No
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

CERCLA/SARA 302 & 304
 Section 302 & 304 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 355.

State Right To Know

Component	CAS	NJ
-----------	-----	----

Tricresylphosphate	1330-78-5	Yes
--------------------	-----------	-----

Inventory				
Component	CAS	Canada DSL	EU EINECS	TSCA
Tricresylphosphate	1330-78-5	Yes	Yes	Yes

Canada

Labor

Canada - WHMIS - Ingredient Disclosure List

• Tricresylphosphate	1330-78-5	1 %
----------------------	-----------	-----

Section 16 - Other Information

Last Revision Date	• 11/June/2015
Preparation Date	• 12/May/2015
Disclaimer/Statement of Liability	• No data available