

## Safety Data Sheet



### Section 1: Identification

#### Product identifier

**Product Name** • Mopar PS-D1 A/C Compressor Oil

**Synonyms** • 68232939AA

**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** • Reproductive toxicity- Category 2

#### Label elements

**OSHA HCS 2012**

#### WARNING



**Hazard statements** • 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
  - P281 - Use Personal Protective Equipment as Required.

- Response**
- P308 + P313 IF exposed or concerned: Get medical advice/attention.

- Storage/Disposal**
- P501 Dispose of contents/ container to an approved waste disposal plant
  - P405 Store locked up.
  - P102: Keep put of reach of children

## Other hazards

### OSHA HCS 2012

- Hazards not otherwise classified (HNOC): Not applicable. H402 Harmful to aquatic life. Avoid release to the environment. Unknown acute toxicity 96.4% of the mixture consists of ingredient(s) of unknown toxicity.

## Other information

NFPA



- Health hazards 1 Flammability 1 Reactivity 0

## Section 3 - Composition/Information on Ingredients

### Substances

- Not applicable.

### Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Tricresylphosphate	CAS:1330-78-5	< 1%		OSHA HCS 2012:	NDA
Polypropylene glycol		< 95%		OSHA HCS 2012:	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

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist call a physician.

#### Ingestion

- Do not induce vomiting without medical advice. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Swallowing small quantities of diluted product may cause nausea, diarrhea or abdominal distress. Call a physician.

### Most important symptoms and effects, both acute and delayed

- No information 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. Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing.

## 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** • No data available.

### Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards** • Keep product and empty container away from heat and sources of ignition.

- 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, Oxides of Phosphorus, aldehydes.

### 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 skin and eyes. Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation.

- Emergency Procedures** • No data available

### Environmental precautions

- Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system. Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas. Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material.

### 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.  
Pick up and transfer to properly labeled containers.  
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 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.

## Reference to other sections

- See section 3 for more information. See section 5 for more information. See section 4 for more information. See section 8 for more information. See Section 3 for Significant Hazards. See Section 5 for fire fighting information. See Section 4 for First Aid Advice. See Section 8 for Personal Protective Equipment. See section 13 for disposal according to local /national regulations. See Section 15 Regulatory Information if this product is subject to CERCLA reporting & notify the National Response Center.

## Section 7 - Handling and Storage

### Precautions for safe handling

#### Handling

- Wear personal protective equipment. Do not breathe vapors or spray mist. 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). Handle in accordance with good industrial hygiene and safety practices.

### Conditions for safe storage, including any incompatibilities

#### Storage

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

#### Incompatible Materials or Ignition Sources

- No information available.

## 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

- If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

#### Eye/Face

- Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

#### Skin/Body

- Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate to prevent skin contact. Glove Type: Nitriles, Neoprene.
- Clean equipment, work area and clothing regularly.

#### General Industrial Hygiene Considerations

- No data available

#### Environmental Exposure Controls

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	No data available
Color	light yellow.	Odor	Characteristic
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	0.99 g/cm <sup>3</sup> @15°C	Bulk Density	No data available
Water Solubility	No data available	Solvent Solubility	No data available
Viscosity	48.16 Centistoke (cSt, cS) or mm <sup>2</sup> /sec @ 40 C(104 F) @ 100C = 10.61 cSt	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	> 200 C(> 392 F) COC (Cleveland Open Cup)	UEL	No data available
LEL	No data available	Flame Duration	No data available
Burning Time	No data available	Flame Height	No data available
Flame Extension	No data available	Ignition Distance	No data available
Self-Accelerating Decomposition Temperature (SADT)	No data available	Autoignition	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 <sub>5</sub>	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**

Components		
Tricresylphosphate (< 1%)	1330-78-5	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 3000 mg/kg; Intradermal-Rabbit LD50 • 1701 mg/kg

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

**Route(s) of entry/exposure**

- Inhalation, skin contact, eye contact and Ingestion.

**Potential Health Effects****Inhalation****Acute (Immediate)**

- May cause irritation of respiratory tract.

**Chronic (Delayed)**

- No data available

**Skin****Acute (Immediate)**

- May cause skin irritation and/or dermatitis.

**Chronic (Delayed)**

- Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

**Eye****Acute (Immediate)**

- May cause irritation.

**Chronic (Delayed)**

- Serious eye damage/eye irritation :No information available.

**Ingestion****Acute (Immediate)**

- May be harmful if swallowed.

<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"><li>● No data available</li></ul>
<b>Other</b>	
<b>Acute (Immediate)</b>	<ul style="list-style-type: none"><li>● STOT - single exposure None known.</li></ul>
<b>Chronic (Delayed)</b>	<ul style="list-style-type: none"><li>● STOT - repeated exposure This product is not expected to produce neurotoxic effects under normal conditions of use and with appropriate personal hygiene practices. This product contains tricresyl phosphate (TCP). Overexposure to TCP by swallowing, prolonged or repeated breathing of oil mist, or prolonged or repeated skin contact may produce nervous system disorders including gastrointestinal disturbances, numbness, muscular cramps, weakness and paralysis. Chronic Toxicity:Prolonged or repeated exposure increases the risk.</li></ul>
<b>Mutagenic Effects</b>	<ul style="list-style-type: none"><li>● No information available.</li></ul>
<b>Carcinogenic Effects</b>	<ul style="list-style-type: none"><li>● 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.</li></ul>
<b>Reproductive Effects</b>	<ul style="list-style-type: none"><li>● Suspected of damaging fertility or the unborn child. Substances which cause concern for human fertility.</li></ul>
<b>Other information</b>	<ul style="list-style-type: none"><li>● Sensitization May cause sensitization of susceptible persons. Symptoms on toxicological effects:No information available. Aspiration hazard No information available.</li></ul>

**Key to abbreviations**

= NTP: (National Toxicity Program), ACGIH: (American Conference of Governmental Industrial Hygienists), IARC: (International Agency for Research on Cancer), OSHA: (Occupational Safety & Health Administration)

## Section 12 - Ecological Information

**Toxicity**

- Harmful to aquatic organisms. 97.3% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

**Persistence and degradability**

- No information available.

**Bioaccumulative potential**

- No information available.

**Mobility in Soil**

- No information available.

**Results of PBT and vPvB assessment**

- No information available.

**Other adverse effects**

- No information 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.

- Dispose of in accordance with local regulations.

## Packaging waste

## 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
TDG	NDA	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
ADN	NDA	NDA	NDA	NDA	NDA
ADR/RID	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** • 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.

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.

SARA 311/312 Hazardous Categorization: Chronic Health Hazard (Yes)

## Canada

### Labor

Canada - WHMIS - Ingredient Disclosure List

Not Listed

## Other Information

- This product does not contain any Proposition 65 chemicals.



## Section 16 - Other Information

<b>Last Revision Date</b>	<ul style="list-style-type: none"><li>● 02/April/2015</li></ul>
<b>Preparation Date</b>	<ul style="list-style-type: none"><li>● 02/April/2015</li></ul>
<b>Disclaimer/Statement of Liability</b>	<ul style="list-style-type: none"><li>● No data available</li></ul>

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