

Safety Data Sheet



Section 1: Identification

Product identifier

Product Name • Mopar Electric Steering Pump Fluid

Synonyms • 68088485AA; 68088485AB

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

Recommended use • Lubricant

Restrictions on use • No uses advised against identified.

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 • Harmful to aquatic life with long lasting effects.
May be fatal if swallowed and enters airways.

Label elements

OSHA HCS 2012

DANGER



Hazard statements • H304 May be fatal if swallowed and enters airways
H412 Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention • P273 Avoid release to the environment.

Response • P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 Do NOT induce vomiting.

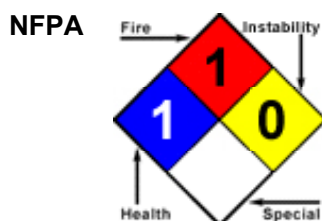
Storage/Disposal • P501 Dispose of contents/container in accordance with local/regional/national/international regulation

Supplemental information • Contains olefin derivative, ethoxylated Amine. May produce an allergic reaction.

HCS 2012 Other Information • Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Other hazards**OSHA HCS 2012**

- By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

Other information**Section 3 - Composition/Information on Ingredients****Substances****Mixtures**

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Alkoxy-sulfolane		0.1% TO 1%		OSHA HCS 2012: Aquatic Chronic 2; H411	NDA
olefin derivative		0.1% TO 1%		OSHA HCS 2012: Skin Sens. 1; H317	NDA
Base oil, low viscous	CAS:72623-86-0 EINECS:276-737-9	50% TO 99%	Ingestion/Oral-Rat LD50 • >2001 mg/kg Skin-Rabbit LD50 • >2001 mg/kg Inhalation-Rat LC50 • >5.53 mg/L	OSHA HCS 2012:	NDA
Base oil, low viscous	CAS:64742-79-6 EINECS:265-182-8	1% TO 5%		OSHA HCS 2012: Asp. Tox. 1; H304, Skin Irrit. 2; H315, Aquatic Chronic 2; H411	NDA
ethoxylated Amine	CAS:61791-44-4 EINECS:263-177-5	0.1% TO 1%	Ingestion/Oral-Rat LD50 • 1350 mg/kg	OSHA HCS 2012: Skin Corr. 1C; H314, Eye Dam. 1; H318, Met. Corr. 1; H290, Aquatic Acute 1; H400, Skin Sens. 1; H317	NDA

Section 4: First-Aid Measures

Description of first aid measures

- Inhalation** ● Supply fresh air; consult doctor in case of symptoms.
- Skin** ● Wash skin with soap and water.
- Eye** ● Promptly wash eyes with plenty of water while lifting the eye lids.
- Ingestion** ● Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Most important symptoms and effects, both acute and delayed

- May cause skin and eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician ● No data available.

Antidotes ● No data available.

Other information

- Get medical attention if symptoms occur.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media ● CO2, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable tensides added.

Unsuitable Extinguishing Media ● Do not use water with a full water jet.

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards ● No data available

Hazardous Combustion Products ● During fire, gases hazardous to health may be formed.

Advice for firefighters

- Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions ● In case of spills, beware of slippery floors and surfaces.

Emergency Procedures ● No data available

Environmental precautions

- Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers).

Methods and material for containment and cleaning up

Containment/Clean-up Measures ● Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust).

Reference to other sections

- See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

Section 7 - Handling and Storage

Precautions for safe handling

Handling

- Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

Conditions for safe storage, including any incompatibilities

Storage

- Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed. Prevent formation of aerosols. Do not heat up to temperatures close to the flash point.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines

- Name: Base oil, low viscous - Inhalable fraction. Type: TWA. Exposure Limit Values: 5 mg/m³. Name: Base oil, low viscous - Mist. Type: PEL. Exposure Limit Values: 5 mg/m³. Name: Base oil, low viscous - Mist. Type: TWA. Exposure Limit Values: 5 mg/m³.

Exposure controls

Engineering Measures/Controls

- No data available

Personal Protective Equipment

Respiratory

- In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. Avoid breathing vapour/ aerosol.

Eye/Face

- Safety glasses (EN 166) recommended during refilling.

Skin/Body

- Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

General Industrial Hygiene Considerations

- 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.

Environmental Exposure Controls

- No data available

Additional Protection Measures

- Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Other Information

- Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	No data available
Color	Green.	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	Liquid
General Properties			
Boiling Point	No data available	Melting Point	No data available
Decomposition Temperature	No data available	Heat of Decomposition	No data available
pH	No data available	Specific Gravity/Relative Density	No data available
Density	0.85 g/mL @ 15 C(59 F)	Bulk Density	No data available
Water Solubility	No data available	Solvent Solubility	No data available
Viscosity	18.9 Centistoke (cSt, cS) or mm ² /sec @ 40 C(104 F)	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	145 C(293 F)	UEL	No data available
LEL	No data available	Autoignition	No data available
Self-Accelerating Decomposition Temperature (SADT)	No data available	Heat of Combustion (ΔH_c)	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	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/BOD5	No data available
Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

Section 10: Stability and Reactivity

Reactivity

- Stable under normal conditions.

Chemical stability

- No data available

Possibility of hazardous reactions

- Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

- Avoid heat or contamination.

Incompatible materials

- Keep away from strong acids, strong bases, and oxidizing agents.

Hazardous decomposition products

- Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Base oil, low viscous (50% TO 99%)	72623-86-0	Acute Toxicity: Ingestion/Oral-Rat LD50 • >2001 mg/kg; Inhalation-Rat LC50 • >5.53 mg/L; Skin-Rabbit LD50 • >2001 mg/kg
ethoxylated Amine (0.1% TO 1%)	61791-44-4	Acute Toxicity: Ingestion/Oral-Rat LD50 • 1350 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

Potential Health Effects

Inhalation

- Acute (Immediate) • Not classified for acute toxicity based on available data.
- Chronic (Delayed) • No data available

Skin

- Acute (Immediate) • No data available
- Chronic (Delayed) • No data available

Eye

- Acute (Immediate) • No data available
- Chronic (Delayed) • No data available

Ingestion

- Acute (Immediate) • No data available
- Chronic (Delayed) • No data available

Reproductive Effects

- No teratogenic components.

Section 12 - Ecological Information

Toxicity

Mopar Electric Steering Pump Fluid					
Dosage	Species	Duration	Results	Exposure Conditions	Comments
<1 mg/L	Fish: NDA	96 Hour(s)	LC50	NDA	Ethoxylated Amine
<1 mg/L	Fish: Water Flea	48 Hour(s)	NDA	NDA	Ethoxylated Amine

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

- Harmful to aquatic life with long lasting effects.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste

- Dispose in accordance with all applicable regulations. Discharge, treatment, or disposal may be subject to national, state, or local laws.

Packaging waste

- No data available

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 as hazardous material by DOT.
- **IMO/IMDG** • Not regulated as a dangerous good under IMDG.
- **IATA/ICAO** • Not regulated as a dangerous good under IATA.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Base oil, low viscous - 200,000 kg (Threshold Planning Quantity)

Inventory				
Component	CAS	Canada DSL	EU EINECS	TSCA
Base oil, low viscous	72623-86-0	Yes	Yes	Yes
Base oil, low viscous	64742-79-6	Yes	Yes	Yes
ethoxylated Amine	61791-44-4	Yes	Yes	Yes

Canada**Labor****Canada - WHMIS - Classifications of Substances**

• Base oil, low viscous	72623-86-0	Uncontrolled product according to WHMIS classification criteria
• Base oil, low viscous	64742-79-6	Not Listed
• ethoxylated Amine	61791-44-4	Not Listed

Section 16 - Other Information**Relevant Phrases (code & full text)**

H304 - May be fatal if swallowed and enters airways
H412 - Harmful to aquatic life with long lasting effects
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Training advice

- Follow training instructions when handling this material.

Last Revision Date

- 05/March/2015

Preparation Date

- 20/February/2015

Other Information

- The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

Disclaimer/Statement of Liability

- The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.