



Genuine Parts

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 16.06.2014

Revision: 20.05.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: POWER STEERING FLUID (PSF-3) (03100-00100)

Recommended Use of the Chemical and Restriction on Use: Power steering fluid

Details of Manufacturer or Importer:

Mobis Parts Australia
77 Peter Brock Drive
Eastern Creek NSW 2766

Phone Number: 02 8822 8777

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

H227 Combustible liquid.

Label Elements

Signal Word Warning

Hazard Statements

H227 Combustible liquid.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	Carc. 1B, H350	95%
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Additional information:

The classification as a carcinogen need not apply - the substance contains less than 3% DMSO extract as measured by IP 346.
Package Additives (DI) - Proprietary - 2%

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

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Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES**Suitable Extinguishing Media:**

Dry chemicals, carbon dioxide, water spray or alcohol-resistant foam - small fires.
Water spray, water fog or alcohol-resistant foam - large fires.

Specific Hazards Arising from the Chemical:

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water to keep fire exposed containers cool.
Hazardous combustion products include oxides of carbon.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved respiratory protection, chemical goggles, chemical resistant gloves (nitrile or neoprene), hydrocarbon oil resistant clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking. Do not touch or walk through spilled material

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7. HANDLING AND STORAGE**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in the original container tightly closed when not in use. Protect from direct sunlight. Protect from heat, sparks, open flames and other sources of ignition. Store away from strong oxidising agents and strong acids. Ground / bond container and receiving equipment. Take precautionary measures against static discharge. Empty containers may contain flammable or explosive vapours. Do not weld, cut or drill on full or empty containers. Do not reuse them.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Standards:**

Mineral oil mist:

TWA: 5 mg/m³ , STEL: 10 mg/m³ - ACGIH

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards. Use explosion-proof ventilating equipment.

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Personal Protective Equipment (PPE):**Respiratory Protection:**

Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Chemical resistant gloves (nitrile, neoprene), hydrocarbon oil resistant clothing and safety rubber boots. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

Eye and Face Protection:

Safety glasses with top and side shields or chemical goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Clear, red
Odour:	Mild petroleum odour
Odour Threshold:	No information available
pH-Value:	Not applicable
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	>230 °C
Flash Point:	210 °C
Flammability:	Combustible liquid Class 2
Auto-ignition Temperature:	260-370 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	0.9 Vol %
Upper:	7 Vol %
Vapour Pressure at 20 °C:	<0.1 kPa
Relative Density at 4 °C:	0.86 g/cm ³
Vapour Density at 20 °C:	>5 g/cm ³
Evaporation Rate:	No information available
Solubility in Water:	Negligible
Partition Coefficient (n-octanol/water):	No information available
Viscosity at 40 °C:	32±10% cSt

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: Oxidising agents and strong acids.

Hazardous Decomposition Products: Oxides of carbon.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:**

Highly refined mineral oil - IUCLID

Oral LD₅₀ (rat) > 5000 mg/kg

Dermal LD₅₀ (rabbit) > 5000 mg/kg

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Inhalation LC50 (rat) = 20 2.18 mg/L / 4h

Acute Health Effects**Inhalation:** May cause respiratory irritation.**Skin:** May cause skin irritation.**Eye:** May cause eye irritation.**Ingestion:** May cause gastro intestinal irritation.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** No sensitising effects known.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Risk of aspiration into the respiratory tract and chemical pneumonia.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity:

Distillates (petroleum), hydrotreated heavy paraffinic are not expected to be acutely toxic to freshwater fish and invertebrates or to cause chronic toxicity.

Persistence and Degradability: Expected to be biodegradable.**Bioaccumulative Potential:** No information available**Mobility in Soil:** Expected to be mobile in soil.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated**Marine pollutant:** No

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15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:	
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic
9011-14-7	2-Propenoic acid, 2-methyl-, methyl ester, homopolymer

16 . OTHER INFORMATION

Creation Date: 20.05.2014

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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