

Synthetic Power Steering Fluid

Product Code
57154 (RED)

MSDS Date
09/16/2008



1. Identification of the preparation and company

Preparation/Product Name	Synthetic Power Steering Fluid (RED)
Product Code	57154
Company Name	BARDAHL MANUFACTURING CORP. 1400 NW 52nd STREET SEATTLE, WA 98107
Telephone No.	(206) 783-4851
24 hour Emergency Telephone No.	(800) 424-9300
General MSDS	(206) 783-4851

2. Hazard identification of the product

GHS Classification:

Item	Category	Hazard
Flammability	Not classified	Not applicable
Acute Toxicity (mouth)	Not classified	Not applicable
Acute Toxicity (skin)	Not classified	Not applicable
Acute Toxicity (inhalation)	Not classified	Not applicable
Acute Toxicity (ingestion)	Not classified	Not applicable
Skin corrosion/irritation	Not classified	Not applicable
Eye damage/irritation	Not classified	Not applicable
Sensitization (respiratory)	Not classified	Not applicable
Sensitization (skin)	Not classified	Not applicable
Germ toxicity	Not classified	Not applicable
Specific target organ	1	No target organs for this category.

systemic toxicity (single exposure)		
	2	No target organs for this category.
	3	No target organs for this category.
Specific target organ systemic Toxicity (repeated exposure)	1	No target organs for this category.
	2	No target organs for this category.
Aspiration hazard	Not classified	Not applicable
Harmfulness to aquatic Environment (acute)	Not classified	Not applicable
Harmfulness to aquatic Environment (long term effect)	Not classified	Not applicable
Carcinogenicity	Not classified	Not applicable
Reproductive Toxicity	Not classified	Not applicable
Organic Peroxide	Not classified	Not applicable

Safety Phrases: Not Applicable

3. Composition/information on ingredients

Mixture : Yes

Ingredient	CAS Number	Concentration
Petroleum distillates, hydrotreated heavy paraffinic	064742-54-7	<90

Contains no other ingredients now known to be hazardous as defined by OSHA 29 CFR 1910.1000(z)

4. First aid measures

Inhalation	Remove exposed person to fresh air. If breathing is labored, administer oxygen and obtain immediate medical attention. If irritation persists or if toxic symptoms are observed, get medical attention.
Eye Contact	Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
Skin Contact	Wash immediately with soap and water. Remove soiled clothing. Get medical attention if irritation develops. Launder contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

5. Fire-fighting measures

Flash Point °C 200

Slightly Combustible. May release flammable vapors when heated above flash point.

Extinguishing Media Carbon Dioxide, dry chemical, or foam. Avoid using water.

Combustion Products Carbon monoxide and asphyxiants.

Special Fire Procedures Recommend SCBA. Use water only for cooling container. Water may cause splattering, or transport the flame.

6. Accidental release measures

Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see PPE section 8 & 16. Remove sources of ignition. Prevent entry into sewers and waterways. Contain release, pick up free liquid for recycling or disposal. Residual liquid can be absorbed with inert material. Check DOT/CERCLA and other agencies for reporting requirements.

Prevent contamination to soil, waterway and sewer systems.

7. Handling and storage

Handling Avoid prolonged skin contact, breathing vapors, and contaminated clothing. Use with adequate ventilation. Wear recommended protective equipment. Practice good personal hygiene after handling. Empty containers retain material residue. Do not cut, weld, braze, solder or expose containers to other ignition sources.

Storage Store in closed containers of proper construction. Store away from ignition sources and in areas of good ventilation.

8. Exposure controls and personal protection

Exposure Limits The PEL (OSHA) and the TLV (ACGIH) is 5 mg/m³ for oil mists.

Ventilation Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.

Gloves Nitrile or neoprene gloves are recommended.

Eye Protection Safety glasses, goggles, or face shield are recommended.

Respiratory Protection Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.

Clothing Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

9. Physical and chemical properties

Appearance	RED OILY LIQUID	Odor	Petroleum Odor
Flash Point °C	200	Boiling Point °C	NA
VOC %	NIL	pH	n/d
Specific Gravity	0.849	Solubility in Water	negligible
Vapor Pressure	<0.01 mmHg@20 ° C	Vapor Density	Heavier than air.
Evaporation Point	less than ether		
Flammability	Not applicable		

10. Stability and reactivity

Stability	Material is normally stable at ambient temperature and pressure.
Conditions to Avoid	Do not store with strong oxidizing agents. Keep away from heat, sparks, open flame, or all sources of ignition.
Polymerization	Will not occur.
Decomposition	Carbon dioxide, carbon monoxide.

11. Toxicological information

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr
Petroleum distillates, hydrotreated heavy paraffinic	> 5,000, Rat - Category: NA	> 5,000, rabbit - Category: NA	-----

Oral Toxicity	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.
Eye Irritation	Not expected to cause eye irritation.
Skin Irritation	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.

Carcinogenicity

CAS Number	Ingredient		
064742-54-7	Petroleum distillates, hydrotreated heavy paraffinic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No;
		California OSHA	Listed: No

12. Ecological information

This material is expected to have adverse effects on marine and plant life. Spills may contaminate drinking water.

13. Disposal considerations

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

14. Transport information

See 49 CFR part 171.8 through 178.510

Proper Shipping Name	Oil, n.o.s
Hazard Class	Not applicable
UN No	Not applicable
Packaging Group	Not applicable
Marine Pollutant	No
GHS Hazard Class	Not applicable
GHS Shipping Information	Not applicable
IMDG	Not Regulated

15. Regulatory information

TSCA: All components of this product are listed on the United States TSCA (Toxic Control Substance Act) Inventory.

RCRA: Not RCRA regulated

SARA 311/312 (>0.1%): Not applicable

SARA 313 (>0.1%): Not applicable

CERCLA (>0.1%): Not applicable

Inventory - Canada - Non-Domestic Substances List (NDSL): Not applicable

California Proposition 65 Cancer:

Cadmium (<0.01 %)

Lead (<0.01 %)

California Proposition 65 Developmental:

Cadmium (<0.01 %)

Lead (<0.01 %)

California Proposition 65 Female Reproductive:

Lead (<0.01 %)

California Proposition 65 Male

Reproductive:

Cadmium (<0.01 %)

Lead (<0.01 %)

**Inventory - Australia -
Inventory of Chemical
Substances (AICS):**

Dibutyl phosphite

Petroleum distillates, hydrotreated heavy paraffinic

**Inventory - Japan Existing and
New Chemical Substances
(ENCS):**

Dibutyl phosphite (2-2001)

Petroleum distillates, hydrotreated heavy paraffinic ()

**Korean Existing Chemicals
Inventory:**

Dibutyl phosphite

Petroleum distillates, hydrotreated heavy paraffinic

**Inventory of Existing Chemical
Substances in China:**

Dibutyl phosphite

Petroleum distillates, hydrotreated heavy paraffinic

**Philippines Inventory of
Chemicals and Chemical
Substances (PICCS) :**

Dibutyl phosphite

Petroleum distillates, hydrotreated heavy paraffinic

**Taiwan List of Toxic Chemical
Substances regulated under
Toxic Chemical Substances
Control Act :**

Diphenylamine

**EU REACH: Annex XVII,
Dangerous Substances and
Preparations:**

Petroleum distillates, hydrotreated heavy paraffinic

**Inventory - European Union -
European Inventory of Existing
Commercial Chemical
Substances (EINECS):**

Dibutyl phosphite (217-316-1)

Petroleum distillates, hydrotreated heavy paraffinic (265-157-1)

**EU List of Notified Chemical
Substances (ELINCS):** Not applicable

Risk Phrases: Not Applicable

16. Other information

HMIS	Health:	1	NFPA	Health:	1
	Fire:	1		Fire:	1
	Physical Hazards:	0		Reactivity:	0
	PPE:	C		Special Hazards:	---

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