

Complete Power Steering Service—H/A Type

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 4/28/2015

Revision date: 4/28/2015

Version: 1.0

Product name : Complete Power Steering Service—H/A Type

Product code : PSS-551PH

Use of the substance/mixture : Power Steering Additive.

Justice Brothers, Inc.
2734 Huntington Drive
Duarte, CA - USA 91010
T (626) 359-9174 (M-F, 8am-5pm PST)

Emergency number : CHEMTREC International +1 (703) 527-3887 24 hr.

GHS-US classification

Not classified.

GHS-US labelling

Not classified

This product contains no PBT/vPvB chemicals.

Not applicable

Name	Product identifier	%	GHS-US classification
Petroleum Solvent	(CAS No) 64742-54-7	<100	Not Classified
Carbamodithioic acid, dibutyl-, methylene ester	(CAS No) 10254-57-6	<5	Not Classified
Mineral Oil	Proprietary	<5	Not Classified
Phosphoric acid, tris (4-methylphenyl) ester	(CAS No) 00078-32-0	< 1	Acute Tox. 4; H312 Acute Tox 4; H302 Aquatic Chronic 2;H411

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

Complete Power Steering Service—H/A Type

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.
First-aid measures after skin contact	: In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.
First-aid measures after eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Seek medical attention immediately.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician or emergency medical facility immediately.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use Carbon dioxide (CO₂), dry chemical, or foam to extinguish flames.

5.2. Special hazards arising from the substance or mixture

Hazardous Decomposition Products : May form CO and CO₂.

5.3. Advice for firefighters

Protection during firefighting : Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from firefighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe area. Keep unnecessary personnel away.

6.1.2. For emergency responders

No additional information available

6.2. Environmental Precautions

For containment : Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13). Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or water courses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In case of contamination of rivers, streams or lakes the EPA should also be informed. Dispose of in accordance with all federal, state and local environmental regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid breathing vapor. Use with adequate ventilation.

Storage : Store in a dry location at room temperature. Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

Complete Power Steering Service—H/A Type

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep away from strong oxidizing and reducing agents. CAUTION!!! Do not use cutting or welding torches on drums, even when empty. Do not reuse container. Containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

7.3. Specific end use(s)

There are no exposure scenarios, see details in section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Petroleum Solvent (64742-54-7)	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit
Carbamodithioic acid, dibutyl-, methylene ester (10254-57-6)	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit
Mineral Oil (Proprietary or N/A)	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit
Phosphoric acid, tris (4-methylphenyl) ester (00078-32-0)	
OSHA/ACGIH/NIOSH PEL (TWA) (ppm)	No established limit

Contains mineral oil. The exposure limits for oil mist are 5mg/m³ OSHA PEL and 10mg/m³ ACGIH.

Carcinogen Data

Petroleum Solvent (64742-54-7)	
OSHA	Select Carcinogen: No
IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No
Carbamodithioic acid, dibutyl-, methylene ester (10254-57-6)	
OSHA	Select Carcinogen: No
IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No
Mineral Oil (Proprietary or N/A)	
OSHA	Select Carcinogen: No
IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No
Phosphoric acid, tris (4-methylphenyl) ester (00078-32-0)	
OSHA	Select Carcinogen: No
IARC	Group 1: No; Group 2A: No; Group 2B: No; Group 3: No; Group 4: No

DNEL/PNEC values: No data available.

8.2. Exposure controls

Exposure controls : No special requirements under ordinary conditions of use and with adequate ventilation.
Eye/face protection : Wear safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield. Wear chemical resistant protective gloves.
Skin protection : Gloves should be inspected before each use and discarded if they show tears, pinholes, or signs of wear.
Other : Gloves, overalls, apron, boots, or other suitable protective garments should be worn to minimize contact based on the task being performed.
Respiratory protection : Use NIOSH/OSHA approved respirator where high vapor concentrations are present.
Thermal hazards : No data available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance : Amber oily liquid.
Odor : Petroleum odor.
Odor threshold : Not determined.
pH : Not measured.
Relative evaporation rate (H₂O=1) : Not determined.

Complete Power Steering Service—H/A Type

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Melting point/Freezing point	: Not determined.
Upper/lower flammability or explosive limits	: Not determined.
Boiling point	: Not measured.
Flash point	: >180°C.
Self ignition temperature	: Not determined.
Decomposition temperature	: Not determined.
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: Not determined.
Relative vapor density at 20 °C	: Heavier than air.
Relative density	: 0.8793 g/cm ³
Solubility	: Negligible.
Log Pow	: No data available.
Log Kow	: Not determined.
Viscosity	: Not measured.
Pour point temperature	: Not determined.
Volatile Organic Compounds	: Nil.
SADT	: Not determined.

The data listed above are typical physical and chemical properties that do not constitute product specification.

9.2. Other information

DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only).

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Material is normally stable at ambient temperatures and pressure.

10.3. Possibility of hazardous reactions

May react with: oxidizing agents.

10.4. Conditions to avoid

High temperature, sparks and open flames.

10.5. Incompatible materials

Keep away from strong oxidizing and reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products: May form CO and CO₂.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Petroleum Solvent (64742-54-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation	Data not available.

Carbamodithioic acid, dibutyl-, methylene ester (10254-57-6)	
LD50 oral rat	16,000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation	No data available.

Mineral Oil (Proprietary or N/A)	
LD50 oral	No data available.
LD50 dermal	No data available.
LC50 inhalation	No data available.

Phosphoric acid, tris (4-methylphenyl) ester (00078-32-0)	
LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	>2000 mg/kg
LC50 inhalation	No data available.

Complete Power Steering Service—H/A Type

Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Acute toxicity (oral)	: Based on available data, the classification criteria are not met.
Acute toxicity (dermal)	: Based on available data, the classification criteria are not met.
Acute toxicity (inhalation)	: Based on available data, the classification criteria are not met.
Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory sensitization	: Based on available data, the classification criteria are not met.
Skin sensitization	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data the classification criteria are not met.
Carcinogenicity	: Based on available data the classification criteria are not met.
Reproductive toxicity	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data the classification criteria are not met.
Aspiration hazard	: Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The preparation has been assessed by following the conventional method of Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details.

Petroleum Solvent (64742-54-7)	
96 hr LC50 fish	No data available.
48 hr EC80 crustacea	No data available.
ErC50 algae	No data available.

Carbamodithioic acid, dibutyl-, methylene ester (10254-57-6)	
96 hr LC50 fish	No data available.
48 hr EC80 crustacea	No data available.
ErC50 algae	No data available.

Mineral Oil (Proprietary or N/A)	
96 hr LC50 fish	No data available.
48 hr EC80 crustacea	No data available.
ErC50 algae	No data available.

Phosphoric acid, tris (4-methylphenyl) ester (00078-32-0)	
96 hr LC50 fish	100 mg/l <i>Lepomis macrochirus</i>
48 hr EC80 crustacea	No data available.
ErC50 algae	5 mg/l (28hr), <i>Scenedesmus quadricauda</i>

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not measured.

12.4. Mobility in Soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not regulated

Complete Power Steering Service—H/A Type

Safety Data Sheet

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14.3. Additional information

Other information : No supplementary information available.

Special transport precautions : No supplementary information available.

SECTION 15: Regulatory information

15.1. US Federal regulations

United States: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) inventory or not required to be listed on the TSCA Inventory.

SARA 311/312/313 (>0.1%): Not applicable CERCLA (0.1%): Not applicable
Inventory – Canada-Non-Domestic Substances List (NDSL): Not applicable

15.2. US State regulations

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State or local regulations	This product contains chemicals known to the State of California to cause cancer. This product contains chemicals that are known to the State of California to be developmental hazards.
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SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

IARC	International Agency for Research on Cancer.
	1 - Carcinogenic to humans; 2A - Probably carcinogenic to humans; 2B - Possibly carcinogenic to humans; 3 - Not classifiable; 4 - Probably not carcinogenic to humans.
NTP	National Toxicology Program.
	1 - Evidence of Carcinogenicity; 2 - Known Human Carcinogens; 3 - Reasonably anticipated to be Human Carcinogen; 4 - Substances delisted from report on Carcinogens; 5 - Twelfth Report - Items under consideration.

Inventory –Australia—Inventory of Chemical Substances (AICS):

Butylated Phenol
Carbamodithioic acid, dibutyl-, methylene ester
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN
Phosphoric acid, tris (4-methylphenyl) ester

Inventory—Japan Existing and New Chemical Substances (ENCS):

Carbamodithioic acid, dibutyl-, methylene ester (2-3522)
Dibutyl phosphite (2-2001)
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN
Phosphoric acid, tris (4-methylphenyl) ester (3-2522; 3-2613; 3-3363)

Korean Existing Chemical Inventory:

Carbamodithioic acid, dibutyl-, methylene ester
Dibutyl phosphite
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN
Phosphoric acid, tris (4-methylphenyl) ester

Inventory of Existing Chemical Substances in China:

Carbamodithioic acid, dibutyl-, methylene ester
Dibutyl phosphite
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN
Phosphoric acid, tris (4-methylphenyl) ester

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

Butylated Phenol
Carbamodithioic acid, dibutyl-, methylene ester
Dibutyl phosphite
PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN
Phosphoric acid, tris (4-methylphenyl) ester

Complete Power Steering Service—H/A Type

Safety Data Sheet

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

Not applicable.

EU Reach: Annex XVII, Dangerous Substances and Preparations:

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN

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

Butylated Phenol

Carbamodithioic acid, dibutyl-, methylene ester (233-593-1)

Dibutyl phosphite (217-316-1)

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFIN (265-157-1)

Phosphoric acid, tris (4-methylphenyl) ester (201-105-6)

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

Risk Phrases

Not classified.

16: Other Information

Indication of Changes	: This is the first revision of this SDS format, changes from previous revision not applicable.
Date of Issue	: 4/28/2015
Other Information	: The full text of the phrases appearing in section 3 is: H302 Harmful if swallowed H312 Harmful in contact with skin H411 Toxic to aquatic life with long lasting effects

NFPA HEALTH: 0
NFPA FLAMMABILITY: 1
NFPA REACTIVITY: 0
NFPA OTHER: N/A

HMIS HEALTH: 0
HMIS FLAMMABILITY: 1
HMIS REACTIVITY: 0
HMIS PROTECTION: C

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