



SAFETY DATA SHEET

1. Product Identification

Champion Brands, LLC
 1001 Golden Drive
 Clinton, MO 64093
 (660) 885-8151

Product line: CHAMPION® CVT FLUID
Products: 4354
CAS: Not applicable (Mixture)
Synonyms: Continuously variable transmission fluid
Recommended use: Automotive transmission fluid
Restrictions: None determined
Created: 14 February 2012
Revised: 27 November 2019
Emergency phone: CHEMTREC: (+1) 800-424-9300

2. Hazards Identification

Appearance: Light amber liquid
Odor: Moderate
Classification: None
Target organs: Not Determined
Symbol(s): None
Signal Word: None
Hazard Statement(s): None
Other hazard(s): Combustible liquid. Contains substances harmful to aquatic life at concentrations that do not constitute hazard classifications (see Section 12).
Precaution(s): Avoid breathing vapors/mist/spray. IF SWALLOWED: Do NOT induce vomiting. Avoid release to the environment.
Disposal: Keep out of waterways. Check local, national, and international regulations for proper disposal

3. Composition/Information on Ingredients

Hazardous Ingredients:

<i>Component</i>	<i>CAS No.</i>	<i>Conc (wt%)</i>
Alkyl acetamide	Confidential	0 – 1
Alkaryl amine	Confidential	0 – 1

Heterocyclic ether	Confidential	0 – 1
Alkyl borate	Confidential	< 0.5
Dibutylhydrogen phosphate	1809-19-4	< 0.5
Long chain hydroxyalkylamine	Confidential	< 0.5
Diphenylamine	122-39-4	< 0.5
Ethoxylated amine	Confidential	< 0.5

4. First Aid Measures

Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If irritation persists, get medical attention
Skin	Wash with soap and water. If irritation develops, get medical attention. Launder contaminated clothing before reuse
Inhalation	Remove exposed person to fresh air if adverse effects are observed. Call a poison center or doctor if exposed or if you feel unwell
Ingestion	DO NOT INDUCE VOMITING. Get immediate medical attention
Additional Info	Note to physician: Treat symptomatically.

5. Fire Fighting Measures

NFPA:	Health – 0 Fire – 1 Instability – 0
Flash Point	> 130°C / 266°F (calculated)
Extinguishing Media	CO ₂ , dry chemical, or foam. Water can be used to cool nearby containers
Unsuitable Media	Not determined
Firefighting Procedures:	Recommend wearing self-contained breathing apparatus. Water may cause splattering
Unusual Hazards	See section 10 for additional information

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Keep unnecessary personnel away. Wear appropriate personal protective equipment for emergency. Ventilate if released in

a confined area. Eliminate sources of ignition if it is safe to do so.

Environmental precautions: Avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways or groundwater

Methods for removal: Use a pump or bucket to recover free liquid. Residual liquid can be absorbed on inert material.

7. Handling and Storage

Max. Handling Temp: 70°C / 158°F

Procedures: Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Use appropriate containment to avoid environmental contamination. Vapors are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations high enough to cause eye irritation, headaches, respiratory discomfort or nausea. Avoid breathing dust, fume, gas, mist, vapors, or spray. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of the product. Dispose of packaging or containers in accordance with local, regional, national, and international regulations. Store away from strong oxidizers

Max Store Temp: 45°C / 113°F

8. Exposure Controls/Personal Protection

Exposure Limits

EU Not applicable

UK Not applicable

Ireland

<i>Component</i>	<i>CAS No.</i>	<i>8 Hr T.W.A</i>	<i>Short Term (15 mins.)</i>
Diphenylamine	122.39.4	10mg/cu. M	20mg/cu. M

India Not applicable

Cyprus Not applicable

Guidelines by component

Diphenylamine

OSHA TWA: N/E

OSHA STEL: N/E

ACGIH TWA: 10mg/cu. M
 ACGIH STEL: N/E
 Other: N/E

Other Exposure Limits: Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5mg/cu. M for mineral oils mists. ACGIH TWA for mineral oil mists is 5mg/cu. M

Engineering Controls: Use in a well ventilated area. Vapors are heavier than air and will tend to accumulate in low-lying areas.

Personal Protective Equipment

Respiratory: In poorly ventilated areas where vapors may accumulate above recommended exposure limit, or where mineral oil mists are generated – use full face respirator with organic vapor cartridge.

Eye: Wear safety glasses where splashing or splattering may occur

Gloves: Use nitrile or neoprene gloves. If material is hot, use appropriately insulated gloves.

Clothing: When handling at elevated temperatures, use insulated apron or coat. Launder contaminated clothing before reuse

Hygiene: Wash thoroughly after handling this product.

9. Physical and Chemical Properties

Appearance	Clear, light amber liquid
Odor	Moderate
Odor threshold	Not determined
pH	Not determined
Melting Point	Not determined
Initial Boiling Pt/Rng	Not determined
Flash Point	> 130°C / 266°F (estimated based on components)
Evaporation Rate	Nil (where nBuAc = 1)
Upper Flammable Lm	Not determined
Lower Flammable Lm	Not determined
Explosive Data	This material does not have explosive properties
Vapor Pressure	<0.1 kPa @ 40°C / 104°F
Vapor Density	>1 (where air = 1)
Volatile Organics	Not determined
Evaporation Rate	Nil (where nBuAc = 1)
Density	0.86 mg/cu. cm @15.6°C

Solubility	Insoluble in water, alcohols; soluble in organics
K_{ow}	Not determined
Viscosity	30-35 cSt @ 40°C
Autoignition Point	Not determined
Decomposition Temp	Not determined

10. Stability and Reactivity

Stability	Material is normally stable at elevated temperatures and pressures
Decomposition Temp	Not determined
Incompatibility	Oxidizers
Polymerization	Will not occur
Thermal Decomposition	Smoke, oxides of carbon, nitrogen, phosphorous, boron, sulfur
Conditions to Avoid	Combustible – keep away from strong oxidizer and open flames

11. Toxicological Information

- Acute Exposure -

Eye Irritation	Expected to cause mild irritation based on data from components. Symptoms may include redness, itchiness, or increased watering of the eyes. Vapors may cause irritation at elevated temperatures
Skin Irritation	May cause slight skin irritation based on data from components. Symptoms may include redness, drying, and cracking of the skin
Respiratory Irritation	May cause mild nose, throat and lung irritation based on data from components
Dermal Toxicity	Not expected to present a danger of dermal toxicity. LD50 in rabbits >2g/Kg based on components
Inhalation Toxicity	Inhalation of this product is not expected to be toxic. Exposure to mineral oil mists may be harmful. Symptoms of over-exposure to mineral oil mists may be similar to that of pneumonia.
Oral Toxicity	Not expected to be harmful. LD50 in rats exceeds 5g/Kg.
Aspiration Hazard	This product does not present a classifiable hazard of aspiration due to viscosity – however, this product may be fatal if swallowed and enters airways.

- Chronic Exposure -

Chronic Toxicity	No data available to indicate product or components present at greater than 0.2% are chronic health hazards
Carcinogenicity	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under

Mutagenicity	IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test. No data available to indicate product or any components at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate product or any components at greater than 0.1% may cause reproductive toxicity.
Teratogenicity	There are conflicting reports in the literature concerning the teratogenicity of diphenylamine. However, because the predominant route of exposure was oral (via gavage or diet) and relatively high dose levels were administered in studies where positive effects were observed, it would not seem to present a workplace hazard
Other	- Additional Information - No other health hazards known

12. Ecological Information

	- Environmental Toxicity -
Freshwater Fish	Acute LD50 calculated to be >100 mg/L based on component data
Freshwater Invertebrates	Acute EC50 calculated to be >100 mg/L based on component data
Algae	EC50 calculated to be >100 mg/L based on component data. Ethoxylated amine contained in this product has an EC50 of 0.01 – 0.1 mg/L
Saltwater Fish	Not determined
Saltwater Invertebrates	Not determined
Bacteria	Not determined
Miscellaneous	Not determined

	- Environmental Fate -
Biodegradation	At least 5% of the components in this product show moderate biodegradation based on OECD 302-type test data. The petroleum oil in this product is not readily biodegradable, but can be broken down by microorganisms and is therefore considered to be inherently biodegradable
Bioaccumulation	0.2 – 2% of the components of this product bioconcentrate in aquatic organisms. The petroleum oil in this product has a K_{ow} greater than 5.3 and is regarded as having the potential to bioaccumulate. In practice, metabolic processes may reduce this potential.
Soil Mobility	This product is expected to have low soil mobility due to very low water solubility and low vapor pressure. Petroleum oils adsorb to soil and sediment. Once adsorbed, the product is expected to adhere to soil until it is slowly biodegraded.

Other Effects Product will produce oil sheen and float on the surface of bodies of water. The product will spread across the surface as a function of viscosity and velocities of water and surface wind.

13. Disposal Considerations

Disposal Considerations

All disposal practices must be in accordance with local, regional, national, and international regulations. Do not dispose in a landfill. Wherever possible, recycle product to used oil collection facilities in accordance with applicable regulations.

Contaminated Containers or Packaging

Dispose of packaging or containers in accordance with local, regional, national, and international regulations

14. Transportation Information

Description shown may not apply to all shipping situations. Consult applicable shipping codes to determine any additional shipping requirements

US DOT Not Regulated

*If shipped by land in a packaging having a capacity of 3,500 gallons or more, the provisions of 49 CFR, Part 130 apply. (Contains oil)

UN No Not applicable

UN Proper Name Not applicable

UN Class Not applicable

Packing Group Not applicable

Marine Pollutant No

IMDG Not Regulated

*U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 25. If transported in bulk by marine vessel in international waters, product is being carried under the scope of MARPOL Annex I.

ICAO/IATA Not Regulated

*U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23, & 24.

15. Regulatory Information

- Global Chemical Inventories -

USA All components of this material are on the US TSCA or are exempt

Other TSCA Reg. None known

EU Components of this product comply with EU 7th Amendment and are approved for EU sales. Records must be maintained and reported to EU only registrants if product is imported to

the EU. Third party importers are asked to report every EU import to Champion Brands, LLC.

New Zealand

May require notification before sale under New Zealand Regulations

Canada

All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List

- Other U.S. Federal Regulations -

SARA Ext. Haz. Subst. This product does not contain greater than 1.0% of any chemical on the SARA Extremely Hazardous Substances list.

SARA Sect. 13 This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substances) of any chemical substances listed under SARA Section 313.

SARA 311 Class

<i>Acute Hazard</i>	- YES
<i>Chronic Hazard</i>	- NO
<i>Fire Hazard</i>	- NO
<i>Reactivity Hazard</i>	- NO

CERCLA Haz. Sub. None known

- State Regulations -

CA Prop 65 This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on *maximum impurity levels* of components: <0.002ppm Ethyl benzene (CAS # 100-41-4); <0.002ppm Naphthalene (CAS # 91-20-3); <0.01ppm cadmium; <0.02ppm lead; <0.1ppm arsenic; and 2ppm Trimethyl phosphate (CAS # 512-56-1)

- Other -

Not determined

16. Other Information

Revision updates may be in many sections and the MSDS should be read in its entirety. Prepared according to the UN Globally Harmonized System for the Classification and Labeling of Chemicals (GHS) by Champion LLC, 1001 Golden Drive, Clinton, Missouri 64735.

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