



# SAFETY DATA SHEET

## 1. Product Identification

Champion Brands, LLC  
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**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:** 6 March 2012  
**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

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

#### 5. Fire Fighting Measures

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

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

<b>Solubility</b>	Insoluble in water, alcohols; soluble in organics
<b>K<sub>ow</sub></b>	Not determined
<b>Viscosity</b>	30-35 cSt @ 40°C
<b>Autoignition Point</b>	Not determined
<b>Decomposition Temp</b>	Not determined

## 10. Stability and Reactivity

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

## 11. Toxicological Information

### - Acute Exposure -

<b>Eye Irritation</b>	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
<b>Skin Irritation</b>	May cause slight skin irritation based on data from components. Symptoms may include redness, drying, and cracking of the skin
<b>Respiratory Irritation</b>	May cause mild nose, throat and lung irritation based on data from components
<b>Dermal Toxicity</b>	Not expected to present a danger of dermal toxicity. LD50 in rabbits >2g/Kg based on components
<b>Inhalation Toxicity</b>	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.
<b>Oral Toxicity</b>	Not expected to be harmful. LD50 in rats exceeds 5g/Kg.
<b>Aspiration Hazard</b>	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 -

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

<b>Mutagenicity</b>	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.
<b>Reproductive Toxicity</b>	No data available to indicate product or any components at greater than 0.1% may cause reproductive toxicity.
<b>Teratogenicity</b>	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
<b>Other</b>	<b>- Additional Information -</b> No other health hazards known

## 12. Ecological Information

	<b>- Environmental Toxicity -</b>
<b>Freshwater Fish</b>	Acute LD50 calculated to be >100 mg/L based on component data
<b>Freshwater Invertebrates</b>	Acute EC50 calculated to be >100 mg/L based on component data
<b>Algae</b>	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
<b>Saltwater Fish</b>	Not determined
<b>Saltwater Invertebrates</b>	Not determined
<b>Bacteria</b>	Not determined
<b>Miscellaneous</b>	Not determined

	<b>- Environmental Fate -</b>
<b>Biodegradation</b>	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
<b>Bioaccumulation</b>	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.
<b>Soil Mobility</b>	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 7<sup>th</sup> 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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