



# SAFETY DATA SHEET

## 1. Product Identification

Champion Brands, LLC  
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**Product line:** CHAMPION® Fuel Stabilizer  
**Products:** 4205  
**CAS:** Mixture  
**Synonyms:** Fuel anti-oxidant  
**Recommended use:** Fuel storage stabilizer  
**Restrictions:** Do not use near heat/sparks/open flames.  
**Created:** 20 March 2014  
**Revised:** 21 March 2014  
**Emergency phone:** CHEMTREC: (+1) 800-424-9300

## 2. Hazards Identification

**Appearance:** Clear, red liquid  
**Odor:** Mild hydrocarbon odor  
**Classification(s):** Aspiration Hazard, Category 1

**Target organs:**  
**Symbol(s):**



**Signal Word:** DANGER  
**Hazard Statement(s):** May be fatal if swallowed and enters airways.

**Other hazard(s):** May be mildly irritating to the eyes or skin, but hazard not classifiable under GHS. Repeated exposure may cause dryness of the skin. Product is not classified as flammable, but could sustain combustion under certain conditions. Mists of this product can be irritating if inhaled.

**Precaution(s):** Do not breathe mist/vapors/spray. Use in a well ventilated area. Wear protective gloves/protective clothing. Do not ingest. IF SWALLOWED: Do NOT induce vomiting. Get immediate medical attention

**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>
Distillates (petroleum), light hydrotreated naphthenic	64742-53-6	97 – 98
Mixed butylated phenols	732-26-3	0 – 3
Phenol	108-95-2	0 – 3

### 4. First Aid Measures

**Eyes** Remove contact lenses, if worn. Rinse with running water for at least 15 minutes, lifting upper and lower eyelids occasionally. Seek medical attention if irritation persists.

**Skin** Remove affected clothing and launder before reuse. Wash affected area for at least 15 minutes with soap and running water. Seek medical attention if persistent irritation occurs. Prolonged or repeated exposure may cause defatting of the skin – symptoms include redness, dryness, cracking

**Inhalation** Remove exposed person to fresh air immediately. Restore or assist breathing, if necessary. Get medical attention if breathing is slow or difficult.

**Ingestion** If swallowed DO NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to minimize the chance of aspiration. If fever, shortness of breath, congestion, coughing or wheezing occurs, get immediate medical attention.

**Additional Info  
Specific Treatments** Note to physician: High potential for chemical pneumonitis! Consider gastric lavage with protected airway, or administration of activated charcoal. Call poison control for specific guidance.

### 5. Fire Fighting Measures

**NFPA (estimated):**    **Health – 1    Fire – 1    Instability – 0**

**Flash Point**                    >96°C / 204°F (based on flammability components)

**Extinguishing Media**    Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.

**Unsuitable Media**            Do not use water jet

**Firefighting Procedures:** Keep nearby containers cool with water spray.

**Unusual Hazards**            Material will flow over water pools and may cause fire to spread. Incomplete combustion can produce carbon monoxide and polyaromatic heterocycles.

## 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 suitable pump to remove bulk liquid. Residual liquid can be absorbed on inert material or evaporated with adequate ventilation.

## 7. Handling and Storage

**Max. Handling Temp:** Do not store or handle at elevated temperatures. See Section 5 for flammability and Section 10 for chemical stability

**Procedures:** Use only in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Use appropriate containment to avoid environmental contamination. Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations of mists high enough to cause eye irritation or lung irritation. 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. Do not weld, heat, or pressurize empty containers. Do not re-use containers. Dispose of packaging or containers in accordance with local, regional, national, and international regulations. Store away from strong oxidizers

**Max Store Temp:** Do not store or handle at elevated temperatures.

**Unsuitable Materials:** Avoid prolonged contact with natural, butyl or nitrile rubbers.

**Other:** Store in a diked area and prevent discharge into the aquatic environment

## 8. Exposure Controls/Personal Protection

### Exposure Limits

#### US

#### Guidelines by component

##### *Mineral Oil Mists*

NIOSH:	5 ppm (TWA)
ACGIH:	5 ppm (TLV)
OSHA:	5 ppm (PELS)

##### *Phenol (CAS # 108-95-2)*

OSHA:	5 ppm, skin (TWA)
ACGIH:	5 ppm, skin (TWA)

**Other Exposure Limits:** Not determined

**Engineering Controls:** Use in a well ventilated area. Local and general ventilation should keep methanol vapor concentration below permissible limits. Where exposure potential exceeds recommended limits, use a NIOSH/OSHA approved supplied air respirator as recommended. Where mists settle, oil films may present a slip hazard.

### Personal Protective Equipment

**Respiratory:** Use a positive-pressure supplied-air NIOSH approved respirator when used in confined spaces or where engineering controls are not sufficient to limit exposure to below recommended limits

**Eye:** Face shield or chemical splash goggles when splashing may occur. If possible, remove contact lenses before handling

<b>Gloves:</b>	Use neoprene or viton gloves. Nitrile gloves can be used – but prolonged contact may cause the rubber to degrade
<b>Clothing:</b>	Use chemical resistant pants and jackets
<b>Other:</b>	Locate the nearest eyewash station and safety shower before handling this product. Limit exposure whenever possible. Consider flammability and always use non-sparking tools.
<b>Hygiene:</b>	Wash thoroughly after handling this product.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Clear, red liquid
<b>Odor</b>	Mild hydrocarbon odor
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting Point</b>	Not determined
<b>Initial Boiling Pt</b>	249°C / 480°F
<b>Flash Point</b>	96°C / 204°F (minimum)
<b>Evaporation Rate</b>	Not determined
<b>Upper Flammable Lm</b>	Not determined
<b>Lower Flammable Lm</b>	Not determined
<b>Explosive Data</b>	Not determined
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	13x10 <sup>-3</sup> torr (@ 24°C)
<b>Volatile Organics</b>	48%
<b>Density</b>	0.8 mg/cu. cm @ 15.6°C
<b>Solubility</b>	Negligible
<b>K<sub>ow</sub></b>	Not determined
<b>Viscosity</b>	4.4 mm/s <sup>2</sup> @ 40°C / 105°F
<b>Autoignition Point</b>	Not determined
<b>Decomposition Temp</b>	Not determined

## 10. Stability and Reactivity

<b>Stability</b>	Material is normally stable at ambient temperatures and pressures.
<b>Decomposition Temp</b>	Not determined. Stable under normal conditions of use
<b>Incompatibility</b>	Keep away from strong oxidizers. Contact with these materials may cause violent or explosive reactions.
<b>Polymerization</b>	Will not occur
<b>Thermal Decomposition</b>	Combustion products highly dependent on conditions. Produces carbon oxides. Lower oxygen environments are likely to produce more harmful particulate carbon,

**Conditions to Avoid** polyaromatic heterocycles, carbon monoxide and other organic compounds.  
Combustible liquid – keep away from strong oxidizers as well as heat/sparks/open flames/hot surfaces.

## 11. Toxicological Information

### - Acute Exposure –

**Eye Irritation** A component of this product has been found to be irritating to the eyes.

**Skin Irritation** Not expected to be a skin irritant. Repeated exposure may cause dermatitis, drying, cracking, and defatting of the skin.

**Respiratory Irritation** Inhalation of vapors or mists may cause irritation to the respiratory system.

**Dermal Toxicity** Low order of toxicity LD50 >5g/kg, rat

**Inhalation Toxicity** Expected to be of low toxicity if inhaled.

**Oral Toxicity** Low order of toxicity LD50 >5g/kg, rat

**Aspiration Hazard** This product has a very low viscosity and may be fatal if aspirated into the airways. Do NOT induce vomiting, as this increases risk of aspiration/chemical pneumonitis. Aspiration may be fatal.

### - Chronic Exposure –

**Chronic Toxicity** This product contains phenol. Literature data indicate that repeated or prolonged overexposure to phenol causes lung, liver, kidney, heart and genitourinary tract effects in the laboratory animal. Prolonged inhalation of vapors causes respiratory difficulties, lung damage, loss of weight and paralysis in the laboratory animal. Product also contains 2,6-di-tert-butylphenol, which caused hemorrhaging in rats when fed high doses for 21 days.

**Carcinogenicity** Not classified as a carcinogen. Repeated skin contact of trace impurity has resulted in irritation and skin cancer in animals (Naphthalene)

**Mutagenicity** Available information does not suggest that this product is a germ cell mutagen

**Reproductive Toxicity** Available information does not suggest that this product is a reproductive toxin.

**Teratogenicity** Available information does not suggest that this product is a teratogen

### - Additional Information –

**Target organ toxicity** No data available

**Synergistic effects** No data available

**Pharmacokinetics** No data available

## 12. Ecological Information

### - Environmental Toxicity –

**Fish** No data available  
**Aquatic Invertebrates** No data available  
**Algae** No data available  
**Bacteria** No data available  
**Microorganisms** No data available

### - Environmental Fate –

**Biodegradation** Hydrocarbons are not likely to rapidly biodegrade. Some of this mixture would evaporate and degrade by photochemical reactions. Other components would slowly degrade through bacterial digestion or slower photochemical processes.

**Bioaccumulation** Adheres to soil – has the potential to bioaccumulate

**Soil Mobility** Adsorbs to soil and has low mobility under normal conditions

**Other Effects** Floats on water and produces a sheen – very mobile in the aquatic environment

## 13. Disposal Considerations

### Disposal Considerations

All disposal practices must be in accordance with local, regional, national, and international regulations. Store material for disposal as indicated in Section 7. Disposal by controlled incineration or recycling may be acceptable – review applicable regulations or regulatory bodies before making disposal decisions.

### Contaminated Containers or Packaging

Empty containers are likely to contain flammable vapors or explosive mixtures of vapor and air. Do NOT weld, cut, or grind empty containers. Send to reconditioner or metal reclaimer if possible. Dispose of 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** This product is not hazardous for shipping purposes  
**Marine Pollutant** \*This product is carried under the scope of MARPOL Annex I

**IMDG** This product is not hazardous for shipping purposes

**ICAO/IATA** This product is not hazardous for shipping purposes

## 15. Regulatory Information

### - Global Chemical Inventories/Regulations –

<b>USA</b>	All components of this material are on the US TSCA
<b>Other TSCA Reg.</b>	This product is listed on the TSCA as UVCB (Unknown, Variable composition, or Biological)
<b>EU</b>	Components of this product and similar mixtures are registered under REACH. Consult the European Chemicals Agency regarding REACH registration, reporting, and other legal requirements for kerosene before importing to the EU.
<b>Canada</b>	All components of this product are listed on the Canadian Domestic Substances List (DSL).
<b>Canada WHMIS</b>	B3 (Combustible liquid)

### - Other U.S. Federal Regulations –

<b>SARA Ext. Haz. Subst.</b>	This product contains phenol (CAS #108-95-2) 302 EHS RQ 500lbs.	
<b>SARA 311/312</b>	<i>Acute Hazard</i>	- YES
	<i>Chronic Hazard</i>	- YES
	<i>Fire Hazard</i>	- NO
	<i>Reactivity Hazard</i>	- NO
<b>SARA Sect. 313</b>	This product contains phenol (CAS #108-95-2) RQ 5000lbs; This product may contain other listed chemicals below the de minimus levels which therefore are not subject to the notification requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act.	
<b>CERCLA Haz. Sub.</b>	No chemicals in this product are reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)	

### - State Regulations –

<b>CA Prop 65</b>	This product does not contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.
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#### ***Right to Know Component***

#### ***Right to Know States***

Phenol (CAS # 108-95-2)

NJ, PA

### - 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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