



SAFETY DATA SHEET

1. Product Identification

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

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

9. Physical and Chemical Properties

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

10. Stability and Reactivity

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

polyaromatic heterocycles, carbon monoxide and other organic compounds.

Conditions to Avoid 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 –

USA	All components of this material are on the US TSCA
Other TSCA Reg.	This product is listed on the TSCA as UVCB (Unknown, Variable composition, or Biological)
EU	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.
Canada	All components of this product are listed on the Canadian Domestic Substances List (DSL).
Canada WHMIS	B3 (Combustible liquid)

- Other U.S. Federal Regulations –

SARA Ext. Haz. Subst.	This product contains phenol (CAS #108-95-2) 302 EHS RQ 500lbs.	
SARA 311/312	<i>Acute Hazard</i>	- YES
	<i>Chronic Hazard</i>	- YES
	<i>Fire Hazard</i>	- NO
	<i>Reactivity Hazard</i>	- NO
SARA Sect. 313	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.	
CERCLA Haz. Sub.	No chemicals in this product are reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)	

- State Regulations –

CA Prop 65	This product does not contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.
-------------------	--

Right to Know Component

Right to Know States

Phenol (CAS # 108-95-2)

NJ, PA

- Other –

Not determined