



SAFETY DATA SHEET

1. Product Identification

Champion Brands, LLC
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Product line: CHAMPION® Mineral Spirits Solvent
Products: 4117, 4117AN, 4117D
CAS: 64742-48-9
Synonyms: Hydrotreated Light Distillate
Recommended use: Industrial Solvent
Restrictions: Do not use near heat/sparks/open flames.
Created: 22 March 2012
Revised: 18 October 2016
Emergency phone: CHEMTREC: (+1) 800-424-9300

2. Hazards Identification

Appearance: Clear, colorless liquid
Odor: Mild hydrocarbon odor
Classification(s): Flammable Liquid, Category 3
 Aspiration Hazard, Category 1
 Skin Irritation, Category 3
Target organs: None
Symbol(s):



Signal Word: DANGER
Hazard Statement(s): Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes mild skin irritation.

Other hazard(s): Repeated exposure may cause dryness of the skin

Precaution(s): Keep away from heat/sparks/open flames/hot surfaces – no smoking. Do not breathe mist/vapors/spray. Use in a well ventilated area. Wear protective gloves/protective clothing.

Do no 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>
Naphtha (petroleum), hydrotreated heavy	64742-48-9	100

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 – 2 Instability – 0

Flash Point 38°C / 100°F

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 Low flash point – significant potential for flash fires. Material will flow over water pools and may cause fire to spread. Incomplete combustion can produce carbon monoxide.

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:

Flammable liquid – can cause flash fires from a significant distance to a source of ignition. 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 an explosion-proof pump to remove bulk liquid. Residual liquid can be absorbed on inert material or evaporated with adequate ventilation. **Use only non-sparking tools.**

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. Vapors are heavier than air and will tend to accumulate in low areas. Avoid sources of ignition and use non-sparking tools. Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations high enough to cause eye irritation, headaches, 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. Do no 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

Hydrotreated Heavy Naphtha (CAS # 64742-48-9)

PEL/TWA: 100 ppm

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. Vapors are heavier than air and will tend to accumulate in low-lying areas.

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, colorless liquid
Odor	Mild hydrocarbon odor
Odor threshold	Not determined
pH	Not determined
Melting Point	-26°C / -15°F
Initial Boiling Pt	149°C / 300°F
Flash Point	37°C / 100°F
Evaporation Rate	0.25 (where ethyl ether = 1)
Upper Flammable Lm	6% vol. in air
Lower Flammable Lm	0.7% vol. in air
Explosive Data	Vapors of this product may form explosive mixtures with air
Vapor Pressure	Not determined
Vapor Density	5 (where air = 1)
Volatile Organics	100%
Density	0.8 mg/cu. cm @ 15.6°C
Solubility	Negligible
K_{ow}	Not determined
Viscosity	1 mm/s ² @ 40°C / 105°F
Autoignition Point	282°C / 540°F
Decomposition Temp	Not determined

10. Stability and Reactivity

Stability	Material is normally stable at ambient temperatures and pressures. Has low vapor pressure – vapors may form explosive mixtures with air!
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	Flammable liquid and vapor – keep away from strong oxidizers as well as heat/sparks/open flames/hot surfaces.

11. Toxicological Information

- Acute Exposure -

Eye Irritation	Not expected to cause irritation or damage to the eyes
Skin Irritation	Mild skin irritant. Repeated exposure may cause dermatitis, drying, cracking, and defatting of the skin.
Respiratory Irritation	May cause chemical pneumonitis and severe irritation if material enters airways. May be fatal
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. Aspiration may be fatal.

- Chronic Exposure -

Chronic Toxicity	This product may cause dryness or defatting of the skin, dermatitis, or may aggravate existing skin conditions.
Carcinogenicity	This product and its components are NOT listed by the IARC, NTP, ACGIH, or OSHA as carcinogens. An increased skin tumor incidence has been observed in experimental animals; the significance of this finding to man is unknown (Stoddard Solvent IIC)
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 known target organ effects in humans. Caused kidney effects in male rats which are not considered relevant in humans
Synergistic effects	No data available
Pharmacokinetics	No data available

12. Ecological Information

- Environmental Toxicity -

Freshwater Fish	Not toxic at limit of solubility LC/EC/IC50 > 1000mg/L
Freshwater Invertebrates	Not toxic at limit of solubility LC/EC/IC50 > 1000mg/L
Algae	Not toxic at limit of solubility LC/EC/IC50 > 1000mg/L
Saltwater Fish	Not determined
Saltwater Invertebrates	Not determined
Bacteria	Not determined

Miscellaneous Not determined

- Environmental Fate –

Biodegradation Expected to be readily biodegradable. Oxidizes rapidly by photo-chemical reactions in the air.

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

UN No	1268
UN Proper Name	Petroleum products, n.o.s. (Flammable Liquid)
UN Class	3
Packing Group	III
Marine Pollutant	No

IMDG This material is not classified as dangerous under IMDG regulations

ICAO/IATA This material is not classified as dangerous under IATA regulations

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) under CAS # 64729-48-9

- 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 hydrotreated naphtha before importing to the EU.
- New Zealand** HSNO approval code HSR001496
- 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.** No chemicals in this product are listed on the SARA 302 Extremely Hazardous Substances list.
- SARA 311/312**
- | | |
|--------------------------|-------|
| <i>Acute Hazard</i> | - NO |
| <i>Chronic Hazard</i> | - NO |
| <i>Fire Hazard</i> | - YES |
| <i>Reactivity Hazard</i> | - |
- SARA Sect. 313** No chemicals in this product are listed on the SARA 313
- 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** **Warning:** This product contains chemicals known to the State of California to cause birth defects and reproductive harm.

<i>Right to Know Component</i>	<i>Right to Know States</i>
Naphtha (petroleum), heavy hydrotreated (CAS # 64742-48-9)	NJ, FL, PA, MA

- 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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