



Product Name: CB-2 Chain Brite  
Product Code: CB-2

Print Date: 5/23/13  
Total Pages 1 of 6

## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

**Product Name:** CB-2 Chainbrite

**Chemical Type:** Solvent Blend

**Product Code:** CB-2

**Product Use:** CB-2 is a natural solvent-based cleaner with a high flash and good ability to dissolve greases and oils. CB-2 is a 100% biodegradable product. CB-2 is used as received in many general purpose degreasing applications. CB-2 will leave a light protective shield after drying.

**Manufacturer:** Park Tool

**Revision Date:** 5/23/13

**Address:** 5115 Hadley Ave. N.,  
St. Paul, MN 55128

**Emergency:** Chemtec (800) 424-9300

**Phone:** (651)777-6868

**Note:** The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Park Tool® provides this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards.

### 2. Composition / Information on Ingredients

| Hazardous Ingredients      | CAS #      | Percent | Exposure Limits                                     |
|----------------------------|------------|---------|---|
| d-Limonene                 | 5989-27-5  | 10-25%  | OSHA (TWA/TLV)- N/E<br>ACGIH (TWA/TLV)- N/E         |
| Non-ionic Surfactant Blend | N/A        | 0-10    | OSHA (TWA/TLV)- N/E<br>ACGIH (TWA/TLV)- N/E         |
| *2-Butoxy Ethanol          | 111-76-2   | 1-10%   | OSHA (PEL)- 25 ppm Skin<br>ACGIH (TLV)- 25 ppm Skin |
| Methyl Soyate              | 67784-80-9 | 60-80%  | OSHA (TWA/TLV)- N/E<br>ACGIH (TWA/TLV)- N/E         |

\* Denotes chemical is subject to the reporting requirements of SECTION 313 of Title III of the 1986 Super fund Amendments and Reauthorization Act (SARA) and 40 CFR PART 372.



Product Name: CB-2 Chain Brite  
Product Code: CB-2

Print Date: 5/23/13  
Total Pages 2 of 6

### 3. Hazards Identification

**Odor/Appearance:** Clear to Amber, liquid

#### Potential health effects

**Routes of exposure:** Skin, eyes, inhalation, ingestion.

**Eye Contact:** May cause immediate or delayed irritation. Irritation may show up as redness and/or swelling.

**Skin Contact:** Repeated or prolonged contact with skin may produce redness, irritation and/or dryness. May cause or aggravate dermatitis or other existing skin condition.

**Inhalation:** Avoid prolonged inhalation of vapors. This product may be considered a low health hazard unless inhaled at very high concentrations. Acute or chronic exposure to vapors or spray mist may cause nausea, headaches, and/or nose and throat irritation. Extremely high concentrations may lead to a loss of consciousness and convulsions followed by death.

**Ingestion:** Ingestion may cause irritation to the mouth, esophagus, and/or stomach. Aspiration may lead to chemical pneumonitis, which is characterized by pulmonary edema and hemorrhage and may be fatal.

**Signs or Overexposure:** Irritation of eyes, nose, throat, digestive tract. Diarrhea, vomiting, nausea and /or nervous system depression.

**Pre-existing Conditions Aggravated:** Skin and respiratory disorders. Alcoholism, kidney, liver, heart and nervous system disorders.

### 4. First Aid Measures

**Eye Contact:** Flush with warm water for 15 minutes. Seek medical attention.

**Skin Contact:** Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

**Inhalation:** Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

**Ingestion:** Do not induce vomiting. Get medical attention immediately. DO NOT GIVE AN UNCONCIOUS OR CONVULSING PERSON ANYTHING BY MOUTH!



Product Name: CB-2 Chain Brite  
Product Code: CB-2

Print Date: 5/23/13  
Total Pages 3 of 6

## 5. Fire Fighting Measures

**Flash Point:** 186 F Min. (TCC)

**Flammability Classification:** OSHA Class III-A Combustible Liquid

**Extinguishing Media:** Dry chemical, carbon dioxide, halon, or foam is recommended. Water spray may be used to cool containers or structures. Halon may decompose into toxic materials and carbon dioxide will displace oxygen, take proper precautions when using these materials.

**Unusual Fire & Explosion Hazards:** This material may be ignited by heat, sparks, flames or other ignition sources (static electricity). Vapors are heavier than air and will collect in low areas (sewers) or travel considerable distances. If containers are not cooled in a fire, they may rupture and ignite.

Rags soaked with this solvent can present a fire hazard and should be stored in approved, covered containers. Improperly stored rags can spontaneously combust under certain conditions.

**Special Fire Fighting Procedures:** Emergency responders should wear self-contained breathing apparatus. Wear other protective gear as conditions warrant. Keep unauthorized people out and try to contain spills or leaks if it can be done safely. Material may float on water, avoid spreading the fire.

## 6. Accidental Release Measures

### Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

## 7. Handling and Storage

**Handling:** FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Liquid and Vapors are combustible. Use in accordance with good work place practices. Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapor. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Decontaminate soiled clothing thoroughly before re-use. Destroy contaminated leather clothing.

Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers.

This material can accumulate static charges, which can cause an incendiary electrical discharge and create a fire. Follow proper grounding procedures.

**Storage:** Store in a cool, dry area, away from heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials



Product Name: CB-2 Chain Brite  
Product Code: CB-2

Print Date: 5/23/13  
Total Pages 4 of 6

## 8. Exposure Controls / Personal Protection

**Protective Equipment:** Use synthetic gloves if necessary to prevent excessive skin contact. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels. Do not wear contacts and always use ANSI approved safety glasses or splash shield.

**Other Suggested Equipment:** Eye wash station and emergency showers should be available. Spill containment equipment should be available.

**Discretion Advised:** Park Tool® takes no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

**Engineering Controls:** General or dilution ventilation is frequently sufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Use a NIOSH approved respirator if ventilation is not adequate to maintain exposures below TLV levels.

### Respiratory Protection:

Based on workplace contaminant level and working limits of the respirator, use a respirator approved by NIOSH. The following is the minimum recommended equipment for an occupational exposure level.

For concentrations > 1 and < 10 times the occupational exposure level: Use air-purifying respirator with full facepiece and organic vapor cartridge(s) or air-purifying full facepiece respirator with an organic vapor canister or a full facepiece powered air-purifying respirator fitted with organic vapor cartridge(s). The air purifying element must have an end of service life indicator, or a documented change out schedule must be established. Otherwise, use supplied air.

For escape: Use self-contained breathing apparatus with full facepiece or any respirator specifically approved for escape

## 9. Physical and Chemical Properties

**Boiling Point:** 370 F initial  
**Vapor Density:** 6.2 (Air=1)  
**Odor/Appearance:** clear, colorless- straw liquid

**Specific Gravity:** 0.880  
**Water Solubility:** emulsifies  
**Evaporation Rate:** >1 (NBA=1)

## 10. Stability and Reactivity

**Stability:** Stable

**Conditions to Avoid:** Heat, spark, and open flame

**Incompatibility:** Strong Oxidizing Agents

**Hazardous Decomposition:** Combustion will produce Carbon Monoxide, Carbon Dioxide and nitrogen-oxygen compounds.

**Hazardous Polymerization:** Will not occur



Product Name: CB-2 Chain Brite  
Product Code: CB-2

Print Date: 5/23/13  
Total Pages 5 of 6

## 11. Toxicological Information

### Component Toxicological Information:

#### 2-butoxy ethanol

|                   |                         |                    |
|-------------------|-------------------------|--------------------|
| Inhalation. LC50: | 500 ppm – rats – 4 hrs. |                    |
| Oral LD50:        | 2.4 g/kg – rats         | 320 mg/kg - rabbit |
| Dermal LD50:      | 400 mg/kg - rabbit      |                    |

Glycol Ether EB major effect in acute and sub chronic animal studies was intravascular red cell hemolysis. Secondary effects were spleen and liver enlargement and nephropathy. These studies have not been shown relevant to humans. Effects on embryo/fetus were only evident in the presence of maternal toxicity. NTP reported testicular weight changes in rats and mice ingesting 6000 ppm on a 13 week drinking water study.

#### D-Limonene is not acutely toxic.

**Oral:** LD50 >5 g/kg, rabbit

**Dermal:** LD50 >5 g/kg, rabbit

**Skin:** The skin irritancy of limonene in guinea pigs and rabbits is considered moderate and low, respectively.

**Sensitization:** d-Limonene is not a sensitizer. Improper storage and handling can lead to oxidation. The oxidized forms of d-Limonene have been shown to be a skin sensitizer.

**Inhalation:** RD50 >1000 ppm

**Chronic Toxicity:** Not listed as a carcinogen (OSHA, NTP, IARC, or ACGIH)

#### Methyl Soyate

##### Carcinogenicity:

Not listed as carcinogenic according to IARC, NTP or OSHA.

##### Mutagenicity:

This product class is non-mutagenic.

##### LD50 Values:

Oral LD50 (rat) = >5000 - 15,000 mg/kg

Dermal LD50 (rabbit) = >2,000 < or equal to 20,000 mg/kg

#### Non-ionic Surfactant Blend

##### Oral Test results:

Acute toxicity: LD50=--Rats=(Males and females)

Result: = > 5,010 mg/kg

##### Dermal Test results:

Skin irritation: Species:--Rabbit

Result:--Very slight erythema / edema

Classification:--Not irritant

Remark:--Occluded

##### EYE CONTACT Test results:

Eye irritation: Species: --Rabbit

Result: --Minor irritation

Classification:--Not irritant

## 12. Ecological Information

Not available.



### 13. Disposal Considerations

Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note: that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

### 14. Transport Information

Not Regulated by D.O.T. in packages below 110 gallons.

### 15. Regulatory Information

#### Environmental Regulations

##### SARA 311:

|                      |     |                                    |     |
|----------------------|-----|------------------------------------|-----|
| <b>Acute health:</b> | Yes | <b>Chronic health:</b>             | No  |
| <b>Fire:</b>         | No  | <b>Sudden release of pressure:</b> | Yes |
| <b>Reactive:</b>     | No  |                                    |     |

**SARA 313:** Title III of the 1986 Super fund Amendments and Reauthorization Act (SARA) and 40 CFR PART 372.  
2-Butoxy Ethanol 111-76-2

All the chemicals used in this product are TSCA listed.  
Check with your local regulators to be sure all local regulations are met.

##### California Proposition 65:

This product contains a chemical(s) suspected by the State of California to cause cancer. During process and use of this product, exposures may exceed the levels deemed to represent significant risk as defined by the emergency guidelines in 22 California Code of Regulations, Division 2, Chapter 3, and Article 7.

### 16. Other Information

**Hazard ratings** This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

**NFPA:** Health: 1 Flammability: 2 Reactivity: 0

**HMIS:** Health: 1 Flammability: 2 Reactivity: 0

RATING: 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT

##### Note:

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. Park Tool® makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an MSDS does not indicate that the possessor of the MSDS was a purchaser or user of the subject product.