5115 Hadley Ave. N., St. Paul, MN 55128
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SAFETY DATA SHEET

1. Product and Company Identification

Product Name: CB-4 Bio Chainbrite **Chemical Type: Solvent Blend**
Product Code: CB-4
Product Use: CB-4 is a natural solvent-based cleaner with a high flash and good ability to dissolve greases and oils. CB-4 is a 100% biodegradable product. CB-4 is used as received in many general purpose degreasing applications. CB-4 will leave a light protective shield after drying.

Manufacturer: Park Tool Co. **Revision Date**: 5/4/2015
Address: 5115 Hadley Ave. **Emergency**: Chemtrec (800)424-9300
St. Paul MN 55128 **International**: +1-703-527-3877

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. Chemical Solvents Inc 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. Hazards Identification

2.1 Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
This material does not meet the definition of HAZARDOUS by OSHA Hazard Communication definition

2.2 GHS Label elements, including precautionary statements
Pictogram: none required.
Signal word: none required
Hazard statement(s): No known significant effects or critical hazards.
Precautionary statement(s): None are specifically required

General: Not expected to present a significant health hazard under anticipated conditions of use. Read label before use. Keep out of reach of children. Use in accordance with good work place practices, limiting exposures. May produce temporary irritation in some individuals.

3. Composition / Information on Ingredients

Hazardous Ingredients	CAS #	Percent	Exposure Limits
Non-ionic Surfactant Blend	N/A	0-5%	OSHA (TWA/TLV)- N/E ACGIH (TWA/TLV)- N/E
Methyl Soyate	67784-80-9	80-95%	OSHA (TWA/TLV)- N/E ACGIH (TWA/TLV)- N/E
2-Propanol,1-(2-butoxy-1-methylethoxy)-	29911-28-2	1-5%	OSHA (TWA/TLV)- N/E ACGIH (TWA/TLV)- N/E

4. First Aid Measures

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

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!

5. Fire Fighting Measures

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 can be 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 form heat or direct sunlight. Keep containers closed when not in use. Do not store with incompatible materials

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: Chemical Solvents Inc. 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

Appearance: clear, straw liquid
Boiling Point: >400 F initial
Vapor Density: >1 (Air=1)
Vapor Pressure: < 5 mmHg @ 72 °F
Solubility: Soluble in hydrocarbons; emulsifies in water
Coefficient of Water/Oil Distribution: No data available
Freezing Point/Melting Point: Not Applicable
Odor: Pine
Flash Point: >212 F Min. (TCC)
Decomposition temperature: Not available
pH: Not Applicable
Specific Gravity: 0.882
Evaporation Rate: >1 (NBA=1)
Viscosity: No data available
Odor Threshold: No data available
Auto-ignition temperature: Not available.
Flammability (solid, gas): Not available.
Lower and upper explosive (flammable) limits: Not available.

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

11. Toxicological Information

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

2-Propanol, 1-(2-butoxy-1-methylethoxy)-

Acute toxicity
Oral: Type of value: LD50 Species: rat (male/female) Value: 3,160 mg/kg
Inhalation: Type of value: LC50 Species: rat (male/female) Value: > 5.4 mg/l (OECD Guideline 403) Exposition time: 4 h No mortality was observed.

Dermal: Type of value: LD50 Species: rat (male/female) Value: > 2,000 mg/kg
No mortality was observed.
Irritation / corrosion
Skin: Species: rabbit Result: non-irritant Method: OECD Guideline 404
Eye: Species: rabbit Result: Irritant. Method: OECD Guideline 405
Sensitization: modified Buehler test Species: guinea pig Result: Non-sensitizing.
Developmental Effects Not expected to occur.
Carcinogenicity Not listed by IARC, NTP, OSHA or EPA.

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.

14. Transport Information

Not Regulated by D.O.T.

15. Regulatory Information

Environmental Regulations
SARA 311:

Acute health:	Yes	**Chronic health:**	No
Fire:	No	**Sudden release of pressure:**	No
Reactive:	No		

SARA 313: Title III of the 1986 Super fund Amendments and Reauthorization Act (SARA) and 40 CFR PART 372.: None

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 no known chemicals regulated by California's Proposition 65 above 0.1%.

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:1 Reactivity: 0
HMIS: Health: 1 Flammability: 1 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. Chemical Solvents Inc 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.

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