



SAFETY DATA SHEET

1. Product Identification

Champion Brands, LLC
1001 Golden Drive
Clinton, MO 64093
(660) 885-8151

Product line: CHAMPION® Brake Cleaner
Products: 4126P
CAS: Not applicable (Mixture)
Synonyms: Chlorinated brake cleaner
Recommended use: Cleaner and degreaser
Restrictions: Do not use near heat/sparks/open flames.
Created: 9 April 2013
Revised: 10 April 2013
Emergency phone: CHEMTREC: (+1) 800-424-9300

2. Hazards Identification

Appearance: Clear, colorless liquid
Odor: Mild sweet
Classification(s): Acute toxicity, Oral, Category 5
Eye irritation, Category 2B
Carcinogenicity, Category 2
Acute aquatic toxicity, Category 2
Target organs: *See below
Symbol(s):



Signal Word: WARNING
Hazard Statement(s): May be harmful if swallowed. Causes eye irritation.
Suspected of causing cancer. Toxic to aquatic life
Other hazard(s): Contents under pressure – heating may cause container to erupt. 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. Do not use without protective eyewear. Wear protective gloves/protective clothing. IF IN EYES: Rinse

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Disposal: Keep out of waterways. Check local, national, and international regulations for proper disposal

**The target-organ toxicity of this product is unknown. The major component of the finished product, tetrachloroethylene, has target organ effects on the heart, central nervous system, liver, and kidneys.*

3. Composition/Information on Ingredients

Hazardous Ingredients:

| Component | CAS No. | Conc (wt%) |
|---------------------|-----------|------------|
| Tetrachloroethylene | 127-18-4 | 90 – 95 |
| Xylene | 1330-20-7 | 3 – 7 |
| Carbon Dioxide | 124-38-9 | < 5 |

4. First Aid Measures

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

Skin Remove affected clothing and launder before reuse. Wash affected area for at least 15 minutes with soap and running water. Get medical attention if irritation develops or persists.

Inhalation Remove exposed person to fresh air immediately. Restore or assist breathing, if necessary. Get medical attention if victim has difficulty breathing or loses consciousness.

Ingestion Do not induce vomiting. If vomiting occurs, keep head below hips to minimize risk of aspiration. Rinse mouth with water. Get medical advice, immediately.

Additional Info

Specific Treatments None

5. Fire Fighting Measures

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

Flash Point No data available

Extinguishing Media CO₂, dry chemical, water spray, aqueous film forming foam (alcohol resistant) type with 3% or 6% foam proportioning system.

Unsuitable Media None specified

Firefighting Procedures: Isolate and restrict area access. Use water spray to cool down contains and prevent build-up of pressure. Fire fighters must wear full face, positive pressure, self-contained breathing apparatus or airline and appropriate protective fire fighting clothing as per NFPA.

Unusual Hazards Decomposes into oxides of carbon, hydrogen chloride gas under high heat or fire. Formation of phosgene gas is also possible in a fire

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment to prevent skin and eye contact. Avoid breathing vapor. When airborne exposure limits exceeded use NIOSH approved respiratory protection equipment appropriate to the material

Environmental precautions: Avoid release to the environment. Prevent from entering into soil, ditches, sewers, waterways or groundwater

Methods for removal: Contain any liquid from leaking containers. Vent the area of a spill as best as possible. Wear appropriate protective equipment and use absorbent material to clean spill. Dispose of sorbent according to all applicable laws and regulations.

7. Handling and Storage

Max. Handling Temp: Do not store or handle at elevated temperatures. Keep away from open flame.

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 high enough to cause adverse health effects. 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.

8. Exposure Controls/Personal Protection

Exposure Limits

US

Guidelines by component

Tetrachloroethylene (CAS # 127-18-4)

| | |
|-------------|---------|
| ACGIH TWA: | 25 ppm |
| ACGIH STEL: | 100 ppm |
| OSHA TWA: | 100 ppm |
| OSHA CEIL | 200 ppm |
| OSHA Peak: | 300 ppm |

Other Exposure Limits: Not determined

Engineering Controls: Use in a well ventilated area. Where exposure potential exceeds recommended limits, use a NIOSH/OSHA approved full-face supplied-air respirator. Use respirators and components tested and approved under the appropriate government standards such as NIOSH

Personal Protective Equipment

Respiratory: Where exposure potential exceeds recommended limits, use a NIOSH/OSHA approved full-face supplied-air respirator. Use respirators and components tested and approved under the appropriate government standards such as NIOSH

Eye: Face shield or chemical splash goggles

Gloves: Use fluorinated rubber or nitrile rubber gloves. Thick, fluorinated rubber gloves will have significantly better performance for long exposures.

Clothing: Use chemical resistant pants and jackets, preferably of butyl or nitrile rubber. Where exposure is very high or very likely, use complete suit protecting against chemicals.

Other: Locate the nearest eyewash station and safety shower before handling this product. Limit exposure whenever possible.

Hygiene: Wash thoroughly after handling this product.

9. Physical and Chemical Properties

| | |
|---------------------------|------------------------|
| Appearance | Compressed spray |
| Odor | Mild sweet odor |
| Odor threshold | Not determined |
| pH | Not determined |
| Melting Point | Not determined |
| Initial Boiling Pt | Not determined |
| Flash Point | Not determined |
| Evaporation Rate | Not determined |
| Upper Flammable Lm | Not determined |
| Lower Flammable Lm | Not determined |
| Explosive Data | Not determined |
| Flammability (HOC) | Not determined |
| Vapor Pressure | Not determined |
| Vapor Density | Not determined |
| Volatile Organics | 100% |
| Density | 1.623 mg/cu. cm @ 25°C |
| Solubility | Insoluble in water |
| K_{ow} | Not determined |
| Viscosity | Not determined |
| 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 |
| Incompatibility | Oxidizers and strong bases |
| Polymerization | Will not occur |
| Thermal Decomposition | Decomposes to carbon oxides, hydrogen chloride gas, and may form phosgene gas. |
| Conditions to Avoid | Keep away from excessive heat and flames. Avoid strong oxidizers and bases |

11. Toxicological Information

- Acute Exposure -

| | |
|-------------------------------|--|
| Eye Irritation | Tetrachloroethylene, a major component in this product causes mild eye irritation to rabbits (24hr). Product is expected to cause eye irritation |
| Skin Irritation | Tetrachloroethylene, a major component in this product causes severe skin irritation to rabbits (24hr). Product is expected to cause severe skin irritation. |
| Respiratory Irritation | Product may cause lung or respiratory irritation |
| Dermal Toxicity | Product expected to have low dermal toxicity. Major component, tetrachloroethylene, has an LD50 of 5,000mg/kg (rabbit) |
| Inhalation Toxicity | Product expected to have low acute respiratory toxicity. Major component, tetrachloroethylene, has an LC50 of 34,200mg/m3 (rat, 8hr) |
| Oral Toxicity | Moderate acute oral toxicity. LD50 of tetrachloroethylene is 2,629 mg/kg (rat). Risk of this level of exposure is low for occupational use. |
| Aspiration Hazard | Not determined |

- Chronic Exposure -

| | |
|------------------------------|---|
| Chronic Toxicity | This product may cause dryness or defatting of the skin, dermatitis, or may aggravate existing skin conditions. |
| Carcinogenicity | <p>Tetrachloroethylene, a major component of this product demonstrates limited evidence of carcinogenicity in animal studies. The relevance of this data for humans with normal occupation exposure is unknown.</p> <p><i>IARC: Group 2A – probably carcinogenic to humans (tetrachloroethylene)</i></p> <p><i>NTP: Reasonably anticipated to be a human carcinogen (tetrachloroethylene)</i></p> <p><i>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</i></p> |
| Mutagenicity | No information available |
| Reproductive Toxicity | No information available |
| Teratogenicity | No information available |

- Additional Information -

| | |
|------------------------------|---|
| Target organ toxicity | No information on product available. Tetrachloroethylene is expected to have target organ effects on the heart, central nervous system, liver and kidneys |
| Synergistic effects | None known |
| Pharmacokinetics | Not known |

12. Ecological Information

- Environmental Toxicity -

Fish No data available on product environmental toxicity.

Tetrachloroethylene:

LC 50 – 9.8mg/l, 96.0hr (*Cyprinodont variegates*)

LC 50 – 13mg/l, 96.0hr (*Lepomis macrochirus*)

LC 50 – 4.9mg/l, 96.0hr (*Oncorhynchus mykiss*)

NOEC – 17mg/l, 10.0d (*Oryzias latipes*)

NOEC – 29mg/l, 96.0hr (*Cyprinodon variegates*)

Invertebrates No data available on product environmental toxicity.

Tetrachloroethylene:

EC 50 – 7.50mg/l, 48hr (*Daphnia magna*)

Algae Not determined

Bacteria Not determined

- Environmental Fate -

Biodegradation Product is likely to degrade predominantly by evaporation followed by atmospheric reactions.

Bioaccumulation Product is likely to accumulate in bodies of water where density will cause the product to sink.

Soil Mobility Product has low mobility in soil, and evaporates easily at environmentally relevant temperatures

Other Effects Not determined

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 by secure land fill 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. Rinse empty containers with water and 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 ORM-D, Consumer Commodity

IMDG UN 1950, Aerosols, Class 2.1 LTD QTY, 5F

ICAO/IATA

UN 1950, Aerosols (flammable), Class 2.1 LTD QTY

15. Regulatory Information**- Global Chemical Inventories/Regulations -**

| | |
|------------------------|--|
| USA | All components of this material are on the US TSCA |
| Other TSCA Reg. | None known |
| EU | Components of this product and similar mixtures are NOT registered under REACH. Consult the European Chemicals Agency regarding REACH registration, reporting, and other legal requirements for methanol solutions before importing to the EU. |
| New Zealand | May require notification before sale under New Zealand Regulations |
| Canada | All components of this product are listed on the Canadian Domestic Substances List (DSL). |

- 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 Sect. 313 | This product contains tetrachloroethylene (CAS # 127-18-4) and xylene (CAS # 1330-20-7), found in SARA 313. See 40 CFR 372 |
| SARA 311/312 Class | <i>Acute Hazard</i> - YES <i>Chronic Hazard</i> - YES <i>Fire Hazard</i> - NO <i>Pressure Hazard</i> - YES <i>Reactivity Hazard</i> - NO |
| CERCLA Haz. Sub. | Tetrachloroethylene (CAS # 127-18-4) and xylene (CAS # 1330-20-7) are listed. See 40 CFR 302.4 |

- State Regulations -

| | |
|-------------------|---|
| CA Prop 65 | WARNING! This product contains a chemical known to the State of California to cause cancer: <i>Tetrachloroethylene</i> (CAS # 127-18-4) |
|-------------------|---|

| <i>Right to Know Component</i> | <i>Right to Know States</i> |
|---|------------------------------------|
| Tetrachloroethylene (CAS # 127-18-4) | NJ, PA, MA |
| Xylene (CAS # 1330-20-7) | NJ, PA, MA |

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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