

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: **BERKEBILE OIL 2+2 TIRE INFLATOR**
ALTERNATE PRODUCT IDENTIFICATION (PART NO.): **(B-3100)**
MANUFACTURER'S NAME: The Berkebile Oil Company, Inc.
ADDRESS (Mailing): PO BOX 715
Somerset, PA 1550

ADDRESS (Physical): 1216 Red Brant RD
Somerset, PA 15501

EMERGENCY PHONE: **800-424-9300 (CHEM TREC)**
INFORMATION PHONE: **814-443-1656**



RECOMMENDED USE: Instantly inflate and seal tires.

2. HAZARDS IDENTIFICATION

2.1 GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

	<u>Category</u>
Skin irritation	2 (H315)
Eye irritation	2a (H319)
Skin sensitization	1 (H317)
Carcinogenicity	2 (H351)
Specific target organ toxicity – single exposure	3, Central Nervous System (H336)
Acute aquatic toxicity	2 (H401)
Chronic aquatic toxicity	2 (H401)
Gases under pressure	Compressed Gas (H280)

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS



SIGNAL WORD: WARNING

Hazard Statements:

- (H280) Contains gas under pressure; may explode if heated.
- (H315) Causes skin irritation.
- (H317) May cause an allergic skin reaction.
- (H319) Causes serious eye irritation.
- (H336) May cause drowsiness or dizziness.
- (H351) Suspected of causing cancer.
- (H411) Toxic to aquatic life with long lasting effects

Precautionary Statements:

(P201) Obtain special instructions before use.

(P202) Do not handle until all safety precautions have been read and understood.

(P261) Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

(P264) Wash skin thoroughly after handling.

(P271) Use only outdoors or in a well-ventilated area.

(P272) Contaminated work clothing should not be allowed out of the workplace.

(P273) Avoid release to the environment.

(P280) Wear protective gloves/ protective clothing/ eye protection/ face protection.

(P302 + P352) IF ON SKIN: Wash with plenty of soap and water.

(P304 + P340 + P312) IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(P308 + P313) IF exposed or concerned: Get medical advice/ attention.

(P333 + P313) IF skin irritation or rash occurs: Get medical advice/ attention.

(P337 + P313) IF eye irritation persists: Get medical advice/ attention.

(P362) Take off contaminated clothing and wash before reuse.

(P391) Collect spillage.

(P410 + P403 + P233) Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed.

(P405) Store locked up.

(P501) Dispose of contents/ container to an approved waste disposal plant.

2.3 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS:

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

GHS CALSSIFICATION (Substance or Mixture): Mixture

Chemical Name	CAS No.	Percent
TETRACHLOROETHYLENE	127-18-4	30-40%
1,1,1,2-TETRAFLUOROETHANE	811-97-2	20-30%
ALIPHATIC HYDROCARBONS	TRADE SECRET	20-30%

4. FIRST AID MEASURES**4.1 DISCRITPTION OF FIRST AID MEASURES:**

INHALATION: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

EYE CONTACT: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

INGESTION: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

4.2 MOST IMPORTANT SYMPTOMS / EFFECTS ACUTE AND DELAYED:

Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), and death.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

If Symptoms Develop Immediately Seek Medical Attention.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media:

Water Spray, Alcohol-resistant Foam, Carbon Dioxide, Dry Chemical

5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Carbon oxides, Hydrogen chloride gas, Hydrogen Fluoride

5.3 ADVICE FOR FIRE FIGHTERS

Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

5.4 FURTHER INFORMATION

NFPA RATING: Health: 2; Flammability: 0; Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 REFERENCE TO OTHER SECTIONS

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.2.

7.2 CONDITIONS FOR SAFE STORAGE

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 SPECIFIC END USE(S)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Tetrachloroethylene	127-18-4	TWA	25.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown relevance to humans		
		STEL	100.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown relevance to humans		
		Potential Occupational Carcinogen Minimize workplace exposure concentrations. See Appendix A		
		See Table Z-2		
		TWA	100.000000 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-2
		CEIL	200.000000 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-2
		Peak	300.000000 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-2
		TWA	25 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown relevance to humans		
		STEL	100 ppm	USA. ACGIH Threshold Limit Values (TLV)
		Central Nervous System impairment Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown relevance to humans		
		Potential Occupational Carcinogen Minimize workplace exposure concentrations. See Appendix A		
		See Table Z-2		
		TWA	100 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-2
		CEIL	200 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-2
		Peak	300 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z-2
		TWA	25 ppm 170 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Component	CAS-No.	Value	Control parameters	Basis
1,1,1,2-Tetrafluoroethane	811-97-2	TWA	1,000.000000 ppm	USA. Workplace Environmental Exposure Levels (WEEL)

Component	CAS-No.	Value	Control parameters	Basis
ALIPHATIC HYDROCARBONS	Trade Secret	TWA	100.000 ppm	OSH VPEL ACGIH

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

Component	CAS-No.	Parameters	Value	Biological specimen	Basis
Tetrachloroethylene	127-18-4	Tetrachloroethylene	3ppm	In end-exhaled air	ACGIH - Biological Exposure Indices (BEI)
	Remarks	Prior to shift (16 hours after exposure ceases)			
		Tetrachloroethylene	0.5000 mg/l	In blood	ACGIH - Biological Exposure Indices (BEI)
		Prior to shift (16 hours after exposure ceases)			
		Tetrachloroethylene	3ppm	In end-exhaled air	ACGIH - Biological Exposure Indices (BEI)
		Prior to shift (16 hours after exposure ceases)			
		Tetrachloroethylene	0.5 mg/l	In blood	ACGIH - Biological Exposure Indices (BEI)
		Prior to shift (16 hours after exposure ceases)			

8.2 EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday. Provide sufficient mechanical ventilation (general and / or local exhaust) to maintain exposure levels below TLVs.

PERSONAL PROTECTIVE EQUIPMENT

EYES: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

SKIN: Wear resistant gloves such as: polyvinyl alcohol, Viton. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY: If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance: Aerosol product</p> <p>Vapor Pressure: Not determined</p> <p>Vapor Density: Heavier than air</p> <p>Specific Gravity: 1.190 @ 77.0 °F</p> <p>Freezing point: Not determined</p> <p>Boiling point: Not Determined</p> <p>Evaporation rate: Faster than ether</p> <p>Explosive Limits: Not applicable</p> <p>Auto ignition temperature: Not determined</p> <p>Viscosity: Not determined</p>	<p>Odor: Not Determined</p> <p>Odor threshold: Not determined</p> <p>pH: Not applicable</p> <p>Melting point: Not determined</p> <p>Solubility: Not determined</p> <p>Flash point: Not determined</p> <p>Flammability: Non-Flammable</p> <p>Partition coefficient (n-Octanol/water): Not determined</p> <p>Decomposition temperature: Not determined</p>
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10. STABILITY AND REACTIVITY

10.1 REACTIVITY

No data available

10.2 CHEMICAL STABILITY

Stable under recommended storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

May form: carbon dioxide and carbon monoxide, hydrogen chloride, phosgene.

10.4 CONDITIONS TO AVOID

High Heat (temperatures above 120°F), Open flame, welding arcs, resistance heaters, etc., which can result in thermal decomposition releasing hydrogen chloride and small amounts of phosgene and chlorine.

10.5 INCOMPATIBLE MATERIALS

Strong oxidizing agents, Strong bases, Alkali Metals, Aluminum, Magnesium

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Long-term toxicological studies have not been conducted for this product.

12. ECOLOGICAL INFORMATION

Long-term ecological studies have not been conducted for this product.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Dispose of in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of this document for hazard cautionary information.

14. TRANSPORT INFORMATION

DOT INFORMATION—49 CFR 172.101

DOT DESCRIPTION: CONSUMER COMMODITY, ORM-D

CONTAINER/MODE: CASES/SURFACE—ORM-D EXCEPTION

NOS COMPONENT: NONE

RQ (Reportable Quantity (lbs))—49 CFR 172.101

<u>COMPONENT</u>	<u>REPORTABLE QUANTITY</u>
PERCHLOROETHYLENE	164 LBS

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

CERCLA RQ—40 CFR 302.4

COMPONENT	TETRACHLOROETHYLENE	100
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SARA 302 COMPONENTS—40 CFR 355 Appendix A

None

SECTION 311/312 HAZARD CLASS—40 CFR 370.2

Immediate (X) Delayed (X) Fire () Reactive () Sudden Release of Pressure ()

SARA 313 COMPONENTS—40 CFR 372.65

Section 313 Component(s)	CAS Number
TETRACHLOROETHYLENE (PERCHLOROETHYLENE)	127-18-4

INTERNATIONAL REGULATIONS

INVENTORY STATUS

Not Determined

STATE AND LOCAL REGULATIONS

CALIFORNIA PROPOSITION 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance known to the State of California to cause cancer:

TETRACHLOROETHYLENE (PERCHLOROETHYLENE)

NEW JERSEY RTK LABEL INFORMATION

TETRACHLOROETHYLENE	127-18-4
STODDARD SOLVENT	8052-41-3

PENNSYLVANIA RTK LABEL INFORMATION

ETHENE, TETRACHLORO-	127-18-4
STODDARD SOLVENT	8052-41-3

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Carc.	Carcinogenicity
Eye Irrit.	Eye irritation
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

IMPORTANT: The information and data herein are believed to be accurate and have been compiled from the sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. The Berkebile Oil Company, Inc. makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The Berkebile Oil Company, Inc. will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading. This information relates to the material designated and may not be valid for such material used in combination with any other materials nor in any process.

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Revision 0

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