

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **BERKEBILE OIL 2+2 CLEAN BRAKE (B-350)**

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**

Product Use: Automotive brake cleaner



2. HAZARDS IDENTIFICATION

CLASSIFICATION

Gas under pressure	Dissolved gas
Acute Toxicity - Oral	4
Acute Toxicity - Dermal	4
Acute Toxicity - Inhalation	4
Eye Damage/Irritation	2B
Carcinogenicity	2



SIGNAL WORD: Warning

Hazard Statements

Contains gas under pressure; may explode if heated
Harmful if swallowed
Harmful in contact with skin
Causes eye irritation
Harmful if inhaled
Suspected of causing cancer

Precautionary Statements

Pressurized container – Do not pierce or burn, even after use
Avoid breathing dust/fume/gas/mist/vapours/spray
Wash hands thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Use personal protective equipment as required
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with soap and water
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
IF exposed or concerned: Get medical advice/attention
If eye irritation persists: Get medical advice/attention
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
Dispose of contents/container to comply with all local, state, and federal regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Percent
PERCHLOROETHYLENE	127-18-4	89-99%
CARBON DIOXIDE	124-38-9	1-5%

4. FIRST AID MEASURES

INHALATION: Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

EYE CONTACT: Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

INGESTION: Not a likely route of exposure.

Most important symptoms/effects, acute and delayed: Repeated exposure may cause skin dryness or cracking. May cause drowsiness or dizziness.

Indication of immediate medical attention and special treatment needed: None known.

5. FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media: Foam, Alcohol foam, CO₂, Dry chemical, Water fog. Water spray may be ineffective.

Specific hazards arising from the chemical: Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will not support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

Special equipment and precautions for fire-fighters: Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. Wear goggles and use self-contained breathing apparatus. If water is used, fog nozzles are preferred.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

Methods and materials for containment and cleaning up: Clean up with absorbent material and place in closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally. See product label for additional information.

Conditions for safe storage, including any incompatibilities: Store and use in cool, dry, well-ventilated areas. Do not store above 120 F.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
PERCHLOROETHYLENE 127-18-4	Short term value: C 200; 300 ppm Long term value: 100 ppm	Short term value: 685 mg/m ³ , 100 ppm Long term value: 170 mg/m ³ ; 25 ppm	
CARBON DIOXIDE 124-38-9	5000 ppm TWA, 8 hours	5000 ppm TWA; , 8 hours; 30000 ppm STEL, 15 minutes	5000 ppm NIOSH TWA, 10 hours; 30000 ppm NIOSH STEL, 15 minutes

Appropriate engineering controls: Ventilation should be sufficient to prevent inhalation of any vapors. General dilution and/or local exhaust ventilation in volume to keep PEL/TLV of most hazardous ingredient below acceptable limit and IEL below stated limit.

Individual protection measures:

Respiratory protection: None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Protective gloves: None under normal use. Use solvent-resistant for prolonged or repeated contact.

Eye protection: None under normal use. However, use of safety glasses with splash guards or full face shield should be used if indicated.

Other protective clothing or equipment: None under normal use. However, use of solvent-resistant aprons or other clothing is recommended. Eye washes and safety showers in the workplace are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance: Aerosol product</p> <p>Vapor Pressure: Not determined</p> <p>Vapor Density: Heavier than air</p> <p>Density: 1.582851022</p> <p>Freezing point: Not determined</p> <p>Boiling point: 121°C</p> <p>Evaporation rate: Slower than ether</p> <p>Explosive Limits: Not applicable</p>	<p>Odor: Chlorinated solvent</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: None</p> <p>Flammability: Level 1 Aerosol</p> <p>Partition coefficient (n-octanol/water): Not determined</p>
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Autoignition temperature: Not determined

Viscosity: Not determined

Decomposition temperature: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable under normal storage and handling conditions.

Possibility of hazardous reactions: None known.

Incompatible materials:

Acids, Bases, Strong oxidizing agents, Oxygen, Peroxides, Reactive metals, Aluminum

Hazardous decomposition products:

Hydrogen chloride, chlorine, phosgene, oxides of carbon

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

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

By land: DOT Proper Shipping Name: None required per 49 CFR 173.306(i) for products that conform to the Limited Quantity provisions. Commodity shipping description: Cleaning Compound, NOI

By water: DOT & IMDG Proper Shipping Name: UN1950, Aerosols, 2.2, LTD QTY

By air: DOT & IATA Proper Shipping Name: UN1950, Aerosols, non-flammable, 2.2, LTD QTY (packing instruction Y203 applies)

15. REGULATORY INFORMATION

All ingredients are either listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

Date Prepared: 4/17/2015

Revision 0

Date revised: 2015-04-17

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