

MATERIAL SAFETY DATA SHEET

State Chemical Division - State Industrial Products 3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: BC-1 BRAKE WASH 24 Hour Emergency CHEMTREC Number: 800-424-9300

Product Description: Brake and parts cleaner. MSDS Number: 106448

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Weight	ACGIH	OSHA
Heptane	142-82-5	< 2%	400 ppm	400 ppm
Acetone	67-64-1	< 8%	500 ppm	1000 ppm

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Extremely Flammable. Harmful or fatal if swallowed. Vapor harmful. May cause eye, skin and respiratory irritation. POTENTIAL HEALTH EFFECTS Eye Contact: May cause eye irritation. Redness and itching or burning sensation may indicate excessive exposure. Skin Contact: May cause skin irritation. Redness and itching or burning sensation may indicate excessive exposure. May cause defatting of skin. Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, nausea, headache, possible unconsciousness or asphyxiation. Ingestion: Harmful or fatal if swallowed.

4. FIRST AID MEASURES

Eye Contact: Promptly flush with a large amount of water for at least 15 minutes holding eyelids apart. If irritation persists, consult a physician. Skin Contact: Promptly wash with soap and water and rinse thoroughly. Remove contaminated clothing and launder before reuse. If irritation persists, consult a physician. Inhalation: Remove to fresh air. Restore breathing if necessary. If irritation persists, consult a physician. Ingestion: Do not induce vomiting. Give two large glasses of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Flashpoint: < -1°F (-18°C) (TCC). Lower Explosive Limit (LEL): 1.1 Upper Explosive Limit (UEL): 12.8 Autoignition Temperature: NA Fire and Explosion Hazards: Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other welding or cutting torch on or near drum (even empty) because product can ignite explosively. Extinguishing Media: Carbon dioxide, dry chemical, foam, water fog. Fire Fighting Instructions: Full protective equipment including self-contained breathing apparatus should be used.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Dispose of in accordance with all Federal, State and Local Regulations regarding pollution and waste disposal.

7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. Keep area ventilated. Do not take internally. Keep out of reach of children. Use only with adequate ventilation. Avoid contact with skin and eyes. Wash hands thoroughly after using. Store in a well-ventilated, cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust preferable. General exhaust acceptable if the exposure to materials is maintained below applicable exposure limits. Personal Protective Equipment: Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH-approved organic vapor/particulate respirator. Eye: Wear approved safety glasses with unperforated sideshields. Skin: Wear chemically resistant gloves such as Neoprene. Other: An emergency eyewash station or other source of potable water should be available in case of accidental eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear. Odor: Solvent. Physical State: Liquid. pH: NA Product Weight : 6.53 lbs/gal/ 782 g/l Boiling Point: < 0 - 238°F; <-18 - 114°C VOC Content : 20% Evaporation Rate : Slower than Ether. Specific Gravity : 0.79 Vapor Density : Heavier than air.

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous Polymerization: Will not occur. Conditions to Avoid: Heat, sparks, flames, welding arcs or other sources of ignition. Incompatibility: Acids, strong oxidizing agents. Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, various hydrocarbons.

11. TOXICOLOGICAL INFORMATION

IARC / NTP / OSHA: This product contains no ingredients at 0.1% or greater that is listed as a human carcinogen.

Hazardous Ingredients	CAS Number	LD50	LC50
Heptane	142-82-5	NE	4 mg/l/24 hr (goldfish)
Acetone	67-64-1	10.7 ml/kg (oral rat)	5540 mg/l/96 hr (rainbow trout)

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATIONS

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability and extractability to determine the applicable EPA hazardous waste numbers. Dispose of in accordance with Federal, State and Local Regulations regarding pollution and waste disposal. Product as supplied would be a D001 unspecified ignitable waste. RCRA code for Acetone is U002.

14. TRANSPORT INFORMATION

DOT Shipping Data: Flammable Liquids N.O.S. (Acetone, Heptane), 3, UN1993, II. Canadian TDG: Flammable Liquids N.O.S. (Acetone, Heptane), 3, UN1993, II.

15. REGULATORY INFORMATION

TSCA: All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

CEPA: All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.

Proposition 65: This product contains trace amounts of the following chemicals known to the state of California to cause birth defects or other reproductive harm: Acetaldehyde 75-07-0 Formaldehyde (gas) 50-00-0 Benzene 71-43-2

SARA 313: This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372.65c). HMIS Classification: Health = 2 Flammability = 4 Reactivity = 0 Personal Protection = B HMIS Classification: Class B, Division 2; Class D, Division 2B

16. OTHER INFORMATION

NA = Not Available or Not Applicable NE = Not Established Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.

HEALTH AND SAFETY INFORMATION: (216) 861-7114

Prepared On: January 2010 Replaces: January 2007 Completed By: Regulatory Affairs Specialist