



MATERIAL SAFETY DATA SHEET

350 RING ROAD ELIZABETHTOWN, KY 42701 (270) 769-5557 (270) 769-6418

BRAKE & PARTS CLEANER NON-CHLORINATED NON V.O.C. COMPLIANT PART NO. 49665

SECTION I – PRODUCT IDENTIFICATION

Product Name : Non-Chlorinated Brake & Parts Cleaner
Aerosol

SECTION II – OSHA HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>ACGIH</u> <u>TLV</u>	<u>OSHA</u> <u>PEL</u>	<u>WGT %</u>
*N-Hexane	110-54-3	5,000 ppm	5,000 ppm	60 – 100
2-Propanol	67-63-0	400 ppm	400 ppm	1 – 5
Carbon Dioxide	124-38-9	5000 PPM	5,000 ppm	3 - 7

** Indicates Toxic Chemical(s) Subject to the Reporting Requirements of Section 313 of Title III and of 40 CFR 372.*

SECTION III – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point : >100⁰F
Specific Gravity (Concentrate) : 0.67 – 0.720 g/mL
Appearance and Odor : Clear liquid spray with sweet mild solvent odor.
Evaporation Rate (BuAc=1) : >1.0
Physical State : Mixture packaged in pressurized aerosol spray can.
PH : N/A
Volatile Organic Content (CARB) : 95%

SECTION IV – REACTIVITY DATA

Stability : Stable
Conditions to Avoid : Do not use or store near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120⁰F may cause container to burst.

Hazardous Polymerization	: Will not occur.
Incompatibility (Materials to Avoid)	: Strong oxidizing agents.
Hazardous Decomposition Products	: CO, CO ₂ , hydrocarbons.

SECTION V – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Concentrate)	: <0 ⁰ F
Flammability per Flame Projection Test	: EXTREMELY FLAMMABLE
Extinguishing Media	: Foam, CO ₂ , dry chemical (B-C).
Special Firefighting Procedures	: Use water spray to cool area. Use water spray to knock down vapors and cool and protect exposed materials. Continue to cool fire-exposed containers until well after flames are extinguished. Keep containers cool using water spray to avoid bursting.
Unusual Fire and Explosion Hazards	: Contents under pressure. Flammable vapors. Vapors are heavier than air and may travel along the ground to an ignition source and flash back. Vapors may accumulate in areas with inadequate ventilation. Use adequate ventilation to prevent vapor buildup. Avoid heat, sparks, and flames. Do not use near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120 ⁰ F may cause container to burst.

SECTION VI – HEALTH HAZARD DATA

HEALTH EFFECTS:

Inhalation	: Vapors irritating to the respiratory system. High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as blurred vision, irritation of the throat, dizziness, nausea, headache, indigestion, and loss of consciousness.
Skin Contact	: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms include irritation, dermatitis, and toxic symptoms
Eye Contact	: Vapors irritating to the eyes. Symptoms include stinging, tearing, redness, burning and swelling of eyes.
Ingestion	: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. May cause gastrointestinal, nausea, vomiting, and headache.

Primary Routes of Exposure : Inhalation, eye/skin contact.
Conditions Aggravated by Exposure : Any type of paresthesia may be aggravated by exposure.

CARCINOGENICITY:

NTP Carcinogen : No
IARC Monographs : No
OSHA Regulated : No

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation : Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.
Eyes : Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention if irritation develops.
Skin Contact : Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation develops. Launder clothing before re-use.
Ingestion : If swallowed, DO NOT induce vomiting. Contact a physician or poison control center for advice about whether to induce vomiting. Get medical attention immediately.

SECTION VII – ACCIDENTAL RELEASE MEASURES

Procedures for Cleaning up Leaks and Spills : Immediately extinguish all ignition sources and evacuate affected area. No smoking, flames, sparks, or flares in area. Ventilate area. Absorb spill with inert material then place in a chemical waste container. Dispose of spill material in accordance with regulations.

SECTION VIII – HANDLING, STORAGE, AND DISPOSAL

Handling : Use with adequate ventilation. Use only non-sparking tools and equipment in area of use.
Storage : Store in a cool, dry, well-ventilated area. Do not smoke in area of use. Do not use or store near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120⁰F may cause container to burst.
Disposal : This container may be recycled in aerosol recycling centers when empty. Before offering for recycling empty the can by using the product according to the label. DO NOT PUNCTURE! If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with regulations.

SECTION IX – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	: Maintain adequate ventilation.
Personal Protective Equipment	: Use respirator only as a last resort to control exposure. Wear chemical resistant gloves if repeated skin contact occurs or causes irritation. Wear safety glasses or goggles to prevent eye contact.

OTHER INFORMATION

THIS PRODUCT CONTAINS SUBSTANCE(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND REPRODUCTIVE HARM.

CARB: This product is *not compliant* with CARB VOC regulations for Brake Cleaners and cannot be sold in the state of California.

SECTION XI – HAZARD RATINGS

HMIS CODES:

Health	: 2
Flammability	: 4
Reactivity	: 0

NFPA CODES:

Toxicity	: 1
Flammability	: 4
Reactivity	: 0

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.

Rev. 11/14/03