

**BRODI SPECIALTY PRODUCTS LTD.  
MATERIAL SAFETY DATA SHEET**

**SECTION I - PRODUCT IDENTIFICATION**

**Product Name:** Brake Clean

**Product Number:** 522

**Product Type:** AEROSOL

**Supplier's Name:** Brodi Specialty Products Ltd.

**Supplier's Address:** 250 Cochrane Drive, Unit 9, Markham, Ontario, L3R 8E5

**TDG:** CONSUMER COMMODITY - ORM-D **WHMIS:** Class A; Class B - Div 5, Class D - Div 2B

**Prepared By:** MSDS Co-ordinator, (877) 744-0751 ext 205, Brodi Specialty Products Ltd.

**Formula:** Proprietary

**Date Prepared:** January 1<sup>st</sup>, 2009 D1

**Emergency Phone:** (800) 255-3924

**Information Phone:** 1-(877) 744-0751

**HMIS Rating** (Based on Aerosol Conc.):

0-Minimal 1- Slight 2- Moderate

3- Serious 4- Extreme

HEALTH: 2 FIRE: 4 REACTIVITY: 1

**Personal Protection :** B

**SECTION II -HAZARDOUS INGREDIENTS**

CHEMICAL NAME	CAS #	%WT	TWA/TLV	LD 50	LC 50
Isoparaffinic Hydrocarbon	64741-66-8	60-80	400 ppm	N/D	N/D
Acetone	67-64-1	10-20	750 ppm	N/D	N/D
Methylene Chloride	75-09-2	10-20	50 ppm	167 mg/kg Oral/Rat	19049 ppm Rat 4hr
Carbon Dioxide Propellant	124-38-9	01-05	10,000 ppm	N/D	N/D

**SECTION III - PHYSICAL DATA**

**Data Below Based On Aerosol Concentrate Only:**

Boiling Point: ~ 110° C

pH: N/A

Solubility In Water: Moderate

Appearance/Odor: Clear Colorless Liquid, Mild Sweet Odor

**Data Below Based On Total Contents:**

Vapor Pressure of can (psig @20° C): 90

Total VOC %: ~ 70 %

Vapor Density(Air=1): >1

Specific Gravity (H<sub>2</sub>O=1)@22° C: 0.768

**SECTION IV - FIRE AND EXPLOSION DATA**

**Flash Point** (of Concentrate Only): -7° C

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Media

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

**Unusual Fire and Explosion Hazards:** Exposure to temperature above 49° C may cause bursting.

**Flammability** (as per Flame Projection Test): Flammable Spray

**LEL:** 2.9% (vol.) – Theoretical **UEL:** 9.2% (vol.) – Theoretical

**SECTION V - REACTIVITY DATA**

**Stability:** Material Stable.

**Hazardous Polymerization:** Will not Occur.

**Incompatibility:** Avoid contact with strong oxidizing agents, strong alkalis or strong acids.

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride, small amount of Phosgene.

**SECTION VI - STORAGE AND HANDLING**

**KEEP OUT OF REACH OF CHILDREN.**

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 49° C.

**NFPA Code 30B Rating:** Level 3 Aerosol.

**SECTION VII - HEALTH AND FIRST AID**

**PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:**

**Eyes:** May cause pain and moderate irritation.

**Skin:** Frequent or prolonged contact may cause mild irritation. Repeated contact may cause drying or flaking of skin.

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation of vapors may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

**Carcinogenicity** - Hazardous by WHMIS Criteria\*; **Reproductive Effects** - N/D; **Teratogenicity** - N/D; **Mutagenicity** - N/D; **Synergistic Material** - N/D

\* If this product is handled with good industrial hygiene practice it will not present a carcinogenic risk in the work place

**FIRST AID PROCEDURES:**

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**Skin:** Wash with plenty of soap and water. If irritation persists seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

**SECTION VIII - SPECIAL PROTECTION DATA**

**Respiratory Protection:** None needed for proper use in accordance with label directions.

**Ventilation:** Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.

**Protective Gloves:** Use chemical resistant gloves if hand contact will be made.

**Eye Protection:** If it is anticipated that a splash or spray back will occur, wear safety glasses or chemical proof goggles.

**SECTION IX - SPILL OR LEAK PROTECTION**

**STEPS TO BE TAKE IN CASE OF SPILL OR LEAK:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, Provincial and local laws.

**WASTE DISPOSAL METHOD:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, Provincial and local authorities for approved procedures.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstances. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.