

BRODI SPECIALTY PRODUCTS LTD.

MATERIAL SAFETY DATA SHEET

SECTION I · PRODUCT IDENTIFICATION

Product Name: Total Traction

Product Number: 910-914

Product Type: AEROSOL

Supplier's Name: Brodi Specialty Products Ltd.

Supplier's Address: 3175 14th Ave, Unit 1 Markham, ON, L3R 0H1

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: December 1, 2011D1

Emergency Phone: (613) 996-6666

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: 0

Personal Protection : I

SECTION II · HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	%WT	TWA/TLV	LD 50	LC 50
Acetone	67-64-1	20-40	1000 ppm	N/D	N/D
Xylene	1330-20-7	10-20	100 ppm	N/D	N/D
Toluene	108-88-3	10-20	100 ppm	2500 mg/kg Oral Rat	8000 ppm Rat 4hr
Clay (Dust Hazard)	1332-58-7	01-10	15mg/cuM (Dust)	N/D	N/D
Titanium Dioxide(Dust Hazard)	13463-67-7	01-10	10mg/cuM (Dust)	N/D	N/D
Amorphous Silica (Dust Hazard)	7631-86-9	01-05	6 mg/cuM (Dust)	N/D	N/D
Hydrocarbon Propellant	68476-85-7	20-40	1000 ppm	N/D	N/D

SECTION III · PHYSICAL DATA

Data Below Based On Aerosol Concentrate Only:

Boiling Range: -25° C to 137° C

pH: N/A

Vapor Density(Air=1): >1

Solubility In Water: Spray mist is insoluble

Specific Gravity (H₂O=1)@23° C: 1.02

Appearance/Odor: Colored Liquid, Solvent Odour

Data Below Based On Total Contents:

Vapor Pressure in can (psig @20° C): 65 Total VOC %: ~ 45%

SECTION IV · FIRE AND EXPLOSION DATA

Flash Point (of Concentrate Only): 7° C

Flammability (as per Flame Projection Test): Flammable Spray

Extinguishing Media: Foam, CO₂, Dry Media, Water fog

LEL: 1.7% (vol.) **UEL:** 10.9% (vol.)

Special Fire Fighting Procedures: Hazardous decomposition products may form from incomplete combustion. Wear full protective clothing and self-contained positive pressure breathing apparatus. Cool fire exposed containers to prevent rupturing.

Unusual Fire and Explosion Hazards: Extremely flammable liquid and vapors. Containers can build pressure from heat and rupture explosively. Volatile vapors can burn in the open or explode if confined. Vapor is heavy and can travel long distances to source of ignition.

SECTION V · REACTIVITY DATA

Stability: Material Stable.

Hazardous Polymerization: Will not Occur.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide and potentially other toxic gases if incomplete combustion occurs.

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: Can cause severe irritation, redness, tearing and blurred vision.

Skin: Frequent or prolonged contact will cause irritation, defatting of the skin and dermatitis in some cases. May cause allergic skin reaction.

Inhalation: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation can cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects. Repeated and prolonged exposure to solvent vapors may cause permanent brain and nervous system damage. May also cause liver and kidney damage.

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

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

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 soap and water. If irritation persists seek medical attention.

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

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

SECTION VIII · SPECIAL PROTECTION DATA

Respiratory Protection: If ventilation is not adequate to reduce vapors below TLV levels, use a NIOSH/MSHA approved carbon filter respirator for organic vapors.

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: 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.