

Safety Data Sheet

Printing date 01/10/2020

Revised On 01/10/2020

1 Identification of the substance and manufacturer

Trade name: Total Traction Black
Product code: 0000160083
Recommended use: Paint and coatings application.
Uses advised against: Any that differs from the recommended use.
Manufacturer/Supplier: Brodi Specialty Products Ltd.
 3175 14th Ave Unit 1
 Markham, On L3R 0H1
 phone: 877-744-0751
 www.brodi.com
Emergency telephone number: 1-800-255-3924

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2 Hazard(s) identification

Classification of the substance or mixture

Flam. Aerosol 1 H222 Extremely flammable aerosol.
 Press. Gas H280 Contains gas under pressure; may explode if heated.
 Eye Irrit. 2A H319 Causes serious eye irritation.
 STOT SE 3 H336 May cause drowsiness or dizziness.
 STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

GHS Hazard pictograms



GHS02 GHS04 GHS07 GHS08

Signal word
Hazard statements

Danger
 Extremely flammable aerosol.
 Contains gas under pressure; may explode if heated.
 Causes serious eye irritation.
 May cause drowsiness or dizziness.

Precautionary statements

May cause damage to organs through prolonged or repeated exposure.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Do not spray on an open flame or other ignition source.
 Pressurized container: Do not pierce or burn, even after use.
 Do not breathe dust/fume/gas/mist/vapors/spray.
 Wash hands thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Call a poison center/doctor if you feel unwell.
 If eye irritation persists: Get medical advice/attention.
 Store in a well-ventilated place.
 Store locked up.
 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

Chemical characterization: Mixtures

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

Dangerous components:

67-64-1	Acetone	25-50%
74-98-6	propane	10-15%
106-97-8	n-butane	5-10%
1330-20-7	xylene (mix)	≥5-<10%
108-65-6	PM acetate	5-10%
108-10-1	methyl isobutyl ketone	≥5-<10%
1317-65-3	Calcium Carbonate	1-5%
112926-00-8	Silicon Dioxide	1-5%
100-41-4	ethyl benzene	1-5%

4 First-aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Remove contaminated clothing. Wash exposed area with soap and water.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Rinse mouth with water. Do not induce vomiting.
Most important symptoms and effects: Dizziness

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Indication of any immediate medical attention needed:

No further relevant information available.

5 Fire-fighting measures**Extinguishing agents:**

CO2, extinguishing powder or water spray. Fight larger fires with water spray.

Special hazards:

Can form explosive gas-air mixtures.

Protective equipment for firefighters:

A respiratory protective device may be necessary.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures:**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Methods and material for containment and cleaning up:

Absorb liquid components with liquid-binding material.

7 Handling and storage**Precautions for safe handling**

Use only in well ventilated areas.

Storage requirements:

Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions. Store locked up.

8 Exposure controls/personal protection**Components with limit values that require monitoring at the workplace:****67-64-1 Acetone**

PEL (USA)	Long-term value: 2400 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 590 mg/m ³ , 250 ppm
TLV (USA)	Short-term value: 1187 mg/m ³ , 500 ppm
	Long-term value: 594 mg/m ³ , 250 ppm
	BEI

74-98-6 propane

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	refer to Appendix F in TLVs&BEIs book; D, EX

106-97-8 n-butane

REL (USA)	Long-term value: 1900 mg/m ³ , 800 ppm
TLV (USA)	Short-term value: 2370 mg/m ³ , 1000 ppm
	(EX)

1330-20-7 xylene (mix)

PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: 651 mg/m ³ , 150 ppm
	Long-term value: 434 mg/m ³ , 100 ppm
	BEI

108-65-6 PM acetate

WEEL (USA)	Long-term value: 50 ppm
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108-10-1 methyl isobutyl ketone

PEL (USA)	Long-term value: 410 mg/m ³ , 100 ppm
REL (USA)	Short-term value: 300 mg/m ³ , 75 ppm
	Long-term value: 205 mg/m ³ , 50 ppm
TLV (USA)	Short-term value: 307 mg/m ³ , 75 ppm
	Long-term value: 82 mg/m ³ , 20 ppm
	BEI

112926-00-8 Silicon Dioxide

PEL (USA)	20mppcf or 80mg/m3 /%SiO2
REL (USA)	Long-term value: 6 mg/m ³
	See Pocket Guide App. C
TLV (USA)	TLV withdrawn

100-41-4 ethyl benzene

EL (USA)	Long-term value: 20 ppm
	IARC 2B
PEL (USA)	Long-term value: 435 mg/m ³ , 100 ppm

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REL (USA)	Short-term value: 545 mg/m ³ , 125 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV (USA)	Long-term value: 87 mg/m ³ , 20 ppm BEI

Ingredients with biological limit values:**67-64-1 Acetone**

BEI (USA)	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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1330-20-7 xylene (mix)

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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108-10-1 methyl isobutyl ketone

BEI (USA)	1 mg/L Medium: urine Time: end of shift Parameter: MIBK
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100-41-4 ethyl benzene

BEI (USA)	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
-	Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

Hygienic protection:

Immediately remove all soiled and contaminated clothing.
Wash hands after use.

Breathing equipment:

Avoid contact with the eyes and skin.
Do not eat or drink while working.
A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

Hand protection:

Nitrile gloves.

Eye protection:

The glove material must be impermeable and resistant to the substance.
Tightly sealed goggles

9 Physical and chemical properties

Appearance:	Aerosol.
Odor:	Aromatic
Odor threshold:	Not determined.
pH-value:	Not determined.
Melting point/Melting range	Undetermined.
Boiling point:	-44 °C (-111.2 °F)
Flash point:	-19 °C (-66.2 °F)
Flammability (solid, gas):	Extremely flammable.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	In use, may form flammable/explosive vapour-air mixture.
Lower Explosion Limit:	1.7 Vol %
Upper Explosion Limit:	10.9 Vol %
Vapor pressure:	Not determined.
Relative Density:	Between 0.77 and 0.85 (Water equals 1.00)
Vapor density	Not determined.
Evaporation rate	Not applicable.
Partition coefficient: n-octanol/water:	Not determined.
Solubility:	Not determined.
Viscosity:	Not determined.
VOC content (less exempt solvents):	43.0 %
Water:	0.0 %

10 Stability and reactivity

Reactivity:	Stable at normal temperatures.
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Conditions to avoid:	Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.	(Contd. of page 3)
Chemical stability:	Not fully evaluated.	
Possibility of hazardous reactions:	No dangerous reactions known.	
Incompatible materials:	No further relevant information available.	
Hazardous decomposition:	No dangerous decomposition products known.	

11 Toxicological information

LD/LC50 values that are relevant for classification:

106-97-8 n-butane

Inhalative LC50/4 h 658 mg/l (rat)

1330-20-7 xylene (mix)

Oral LD50 8,700 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rbt)

Inhalative LC50/4 h 6,350 mg/l (rat)

108-65-6 PM acetate

Oral LD50 8,500 mg/kg (rat)

Inhalative LC50/4 h 35.7 mg/l (rat)

108-10-1 methyl isobutyl ketone

Oral LD50 2,100 mg/kg (rat)

Dermal LD50 16,000 mg/kg (rab)

Inhalative LC50/4 h 8.3-16.6 mg/l (rat)

100-41-4 ethyl benzene

Oral LD50 3,500 mg/kg (rat)

Dermal LD50 17,800 mg/kg (rbt)

Information on toxicological effects: No data available.**Skin effects:** No irritant effect.**Eye effects:** Irritating effect.**Sensitization:** No sensitizing effects known.

12 Ecological information

Aquatic toxicity: Hazardous for water, do not empty into drains.**Persistence and degradability:** The product is degradable after prolonged exposure to natural weathering processes.**Other information:** This product does not contain any chlorofluorocarbons (CFC's), hydrochlorofluorocarbons (HCFC's), perfluorocarbons (PFC's), heavy metals (chromium, lead, cadmium), or chlorinated solvents.**Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal considerations

Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

Recommendation: Completely empty cans should be recycled.

14 Transport information

UN-Number UN1950

DOT N/A

DOT Consumer Commodity ORM-D

Aerosols, flammable

1950 Aerosols

ADR**Transport hazard class(es):****Class** 2.1**Special precautions for user:** Warning: Gases**EMS Number:** F-D,S-U**Packaging Group:** --**UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

15 Regulatory information

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

1330-20-7 xylene (mix)

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108-10-1 methyl isobutyl ketone

100-41-4 ethyl benzene

Toxic Substances Control Act**(TSCA):**

All hazardous ingredients are found on the inventory list of substances.

Canadian Domestic Substances List**(DSL):**

All ingredients are listed or exempted.

Consumer Product Safety**Comission (CPSC):**

This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:

108-10-1 methyl isobutyl ketone

100-41-4 ethyl benzene

1333-86-4 Carbon black

Prop 65 chemicals known to cause birth defects or reproductive harm:

108-10-1 methyl isobutyl ketone

EPA:

67-64-1 Acetone

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1330-20-7 xylene (mix)

I

108-10-1 methyl isobutyl ketone

I

100-41-4 ethyl benzene

D

16 Other information**Contact:**

Regulatory Affairs