

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Moto Black
Revision date 08-19-2011
Version # 01
CAS # Mixture
Product use Coating for Black Powder Coated Motorcycle Parts.
Manufacturer/Supplier Bike Brite, Inc.
7177 Industrial Park Blvd.
Mentor, OH 44060
info@bikebrite.com
Telephone number: 440-975-1804
Contact Person: Joe Coviello
Emergency 440-975-1804

2. Hazards Identification

Physical state Liquid.
Appearance Aerosol.
Emergency overview WARNING

Flammable aerosol - may cause flash fire. High pressure gas.
In a fire or if heated, a pressure increase will occur and the container may burst or explode.
Aspiration hazard: Harmful or fatal if swallowed, can enter lungs and cause damage.

OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Routes of exposure Inhalation. Ingestion. Eyes. Skin.

Eyes May cause eye irritation.

Skin Irritating and defatting to skin.

Inhalation Suffocation (asphyxiant) hazard - if allowed to accumulate to concentrations that reduce oxygen below safe breathing levels. May cause respiratory tract irritation.

Ingestion Aspiration hazard: Swallowing or vomiting of the liquid may result in aspiration into the lungs.

Target organs Eyes. Skin. Respiratory tract. Central nervous system.

Chronic effects Long term (years) to high concentrations of vapor may cause lung, liver or kidney damage.
Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Signs and symptoms Narcosis. Behavioral changes.

Potential environmental effects Not expected to be harmful to aquatic organisms.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Propane/Isobutane-n-Butane	74-98-6	45 - 55
Odorless Mineral Spirits	8052-41-3	30 - 40
Silicone	63148-62-9	10 - 20

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin contact Wash frost-bitten areas with plenty of water. Do not remove clothing. Get medical attention immediately.

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.
Notes to physician	Treat symptomatically.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties	Flammable aerosol - may cause flash fire.
Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray, fog, or foam.
Unsuitable extinguishing media	None known.
Protection of firefighters	
Protective equipment and precautions for firefighters	Move containers from fire area if you can do it without risk. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
Fire fighting equipment/instructions	Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
Hazardous combustion products	Carbon oxides. Silicon dioxide.

6. Accidental Release Measures

Personal precautions	Stay upwind. No action shall be taken involving any personal risk or without suitable training. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unnecessary personnel away. Ensure adequate ventilation. In case of inadequate ventilation, use respiratory protection. Wear appropriate personal protective equipment (See Section 8).
Environmental precautions	Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent from entering into soil, ditches, sanitary sewers, waterways and/or groundwater.
Methods for cleaning up	Ventilate well, stop flow of gas or liquid if possible. Immediately contact emergency personnel.

7. Handling and Storage

Handling	Avoid inhalation of aerosols. Use only with adequate ventilation. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Do not get in eyes, on skin, on clothing. Observe good industrial hygiene practices.
Storage	Store in a cool, dry, well-ventilated place. Keep container tightly closed and sealed until ready for use.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Odorless Mineral Spirits (8052-41-3)	TWA	100 ppm
Propane/Isobutane-n-Butane (74-98-6)	TWA	1000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Odorless Mineral Spirits (8052-41-3)	PEL	2900 mg/m3
Propane/Isobutane-n-Butane (74-98-6)	PEL	500 ppm 1000 ppm
		1800 mg/m3

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Odorless Mineral Spirits (8052-41-3)	TWA	100 ppm
Propane/Isobutane-n-Butane (74-98-6)	TWA	572 mg/m ³ 1000 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Odorless Mineral Spirits (8052-41-3)	TWA	290 mg/m ³
Propane/Isobutane-n-Butane (74-98-6)	STEL TWA	580 mg/m ³ 1000 ppm

Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Odorless Mineral Spirits (8052-41-3)	TWA	525 mg/m ³
Propane/Isobutane-n-Butane (74-98-6)	TWA	1000 ppm

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Odorless Mineral Spirits (8052-41-3)	TWA	100 ppm
Propane/Isobutane-n-Butane (74-98-6)	TWA	525 mg/m ³ 1000 ppm 1800 mg/m ³

Mexico. Occupational Exposure Limit Values

Components	Type	Value
Odorless Mineral Spirits (8052-41-3)	TWA	100 ppm
	STEL	1050 mg/m ³ 200 ppm
	TWA	523 mg/m ³

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Eye / face protection Wear approved safety glasses or goggles.

Skin protection Wear protective clothing appropriate for the risk of exposure.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear NIOSH approved respirator.

General hygiene considerations Do not eat, drink or smoke when using the product. Wash thoroughly after handling. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practices.

9. Physical & Chemical Properties

Appearance	Aerosol.
Color	Clear.
Odor	Solvent / Cherry.
Odor threshold	Not available.
Physical state	Liquid.
Form	Aerosol.
pH	Not available.
Melting point	-7.1 °F (-21.7 °C)
Freezing point	19.2 °F (-7.1 °C)

Boiling point	400 °F (204.4 °C)
Flash point	-156 °F (-104.4 °C)
Evaporation rate	< 1
Flammability limits in air, upper, % by volume	9.5 %
Flammability limits in air, lower, % by volume	1.9 %
Vapor pressure	51 @ (70 °F)
Vapor density	4
Specific gravity	0.6 (Water = 1)
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions and recommended use.
Conditions to avoid	If heated in the presence of air above 150°C (300°F) the product may form formaldehyde vapors.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Silicon oxides.
Possibility of hazardous reactions	Polymerization will not occur.

11. Toxicological Information

Toxicological data

Components	Test Results
Silicone (63148-62-9)	Acute Dermal LD50 Rabbit: >= 5000 mg/kg
Propane/Isobutane-n-Butane (74-98-6)	Acute Oral LD50 Rat: >= 17000 mg/kg Acute Inhalation LC50 Rat: > 1442.847 mg/l 15 Minutes
Acute effects	Suffocation (asphyxiant) hazard - if allowed to accumulate to concentrations that reduce oxygen below safe breathing levels.
Chronic effects	Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication. Long term (years) to high concentrations of vapor may cause lung, liver or kidney damage.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Odorless Mineral Spirits (CAS 8052-41-3)	3 Not classifiable as to carcinogenicity to humans.
Mutagenicity	No data available.
Reproductive effects	No data available.
Symptoms and target organs	Narcosis. Behavioral changes.
Further information	No other specific acute or chronic health impact noted.

12. Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Not available.
Bioaccumulation / Accumulation	No data available.
Partition coefficient (n-octanol/water)	Not available.

Mobility in environmental media No data available.

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 °F
Disposal instructions Dispose in accordance with all applicable regulations.
Waste from residues / unused products Dispose of in accordance with local regulations.
Contaminated packaging Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number UN1950
Proper shipping name Aerosols, poison, each not exceeding 1 L capacity
Hazard class 2.2
Subsidiary hazard class 6.1
Environmental hazards
Marine pollutant No
Labels required 2.2, 6.1
Additional information:
Packaging exceptions 306
Packaging non bulk None
Packaging bulk None

IATA

Basic shipping requirements:

UN number 1950
Proper shipping name Aerosols, flammable
Hazard class 2.1
Environmental hazards
Marine pollutant No
Special precautions Read safety instructions, MSDS and emergency procedures before handling.
Additional information:
ERG code 10L
Further information Read safety instructions, MSDS and emergency procedures before handling.

IMDG

Basic shipping requirements:

UN number 1950
Proper shipping name AEROSOLS, toxic
Hazard class 2
Subsidiary hazard class 5T
Environmental hazards
Marine pollutant No
Special precautions Read safety instructions, MSDS and emergency procedures before handling.

TDG

Basic shipping requirements:

Proper shipping name AEROSOLS, flammable
Hazard class 2.1
UN number UN1950
Marine pollutant No
Additional information:
Special provisions 80 SOR/2002-306

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

Propane/Isobutane-n-Butane: 100

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes
 Pressure Hazard - Yes
 Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) No

Section 311/312 (40 CFR 370) No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Controlled

WHMIS classification B2 - Flammable/Combustible
 D2B - Other Toxic Effects-TOXIC

WHMIS labeling**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations**US - California Hazardous Substances (Director's): Listed substance**

Odorless Mineral Spirits (CAS 8052-41-3) Listed.

US - Massachusetts RTK - Substance: Listed substance

Odorless Mineral Spirits (CAS 8052-41-3) Listed.

Propane/Isobutane-n-Butane (CAS 74-98-6) Listed.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Propane/Isobutane-n-Butane (CAS 74-98-6) 500 LBS

US - New Jersey RTK - Substances: Listed substance

Odorless Mineral Spirits (CAS 8052-41-3) Listed.

Propane/Isobutane-n-Butane (CAS 74-98-6) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Odorless Mineral Spirits (CAS 8052-41-3)
Propane/Isobutane-n-Butane (CAS 74-98-6)

Listed.
Listed.

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

Other information

Note: This Material Safety Data Sheet applies to the listed products and synonym descriptions for Hazard Communication purposes only. Technical Specifications vary greatly depending on the products and are not reflected in this document. Consult specification sheets for technical information.

HMIS® ratings

Health: 1*
Flammability: 3
Physical hazard: 0

NFPA ratings

Health: 0
Flammability: 3
Instability: 0

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Issue date

08-19-2011