

# Material Safety Data Sheet

<b>Revision Date</b> March 4, 2011	<b>Prepared by</b> Howard Clark	<b>Technical Information</b> 1-800-201-8822 or <a href="mailto:support@mgchemicals.com">support@mgchemicals.com</a>
<b>Head Office</b> 9347 - 193 Street, Surrey, B.C., V4N 4E7		<b>Emergency</b> Phone Canutech (613) 996-6666 Collect 24 hrs

For updates please download from [www.mgchemicals.com](http://www.mgchemicals.com) or fax requests to 1-800-708-9888

## Section 1: Product Identification

**MSDS Code: XS0787**

**Name: Touch up spray paint  
K70634 Dark Bronze**

**Use:** For painting

## Section 2: Hazardous Ingredients:

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
811-97-2	1,1,1,2 - tetrafluoroethane	45	1000ppm	n/e	n/e
67-64-1	2-propanone	28 - 29	750ppm	1000ppm	1000ppm
108-65-6	1-methoxy-2-propanol acetate	2 - 3	n/e	n/e	n/e
141-78-6	ethyl acetate	1 - 2	400ppm	400ppm	n/e
110-43-0	2-heptanone	2 - 3	50ppm	100ppm	n/e
110-19-0	isobutyl acetate	2 - 3	150ppm	150ppm	n/e
108-88-3	toluene	6 - 8	50ppm	100ppm	150ppm
13463-67-7	titanium dioxide	0 - 4	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	n/e
64-17-5	ethyl alcohol	2 - 3	1000ppm	1000ppm	1000ppm
1330-20-7	xylene	1 - 3	100ppm	100ppm	150ppm
67-63-0	2-propanol	0 - 1	400ppm	400ppm	500ppm

## Section 3: Hazards Identification

- Eyes:** Causes severe eye irritation, tearing, redness, and blurred vision. Vapors from this product are irritating to the eye.
- Skin:** May cause skin irritation. May cause defatting of skin.
- Inhalation:** Product is irritating to the nose, throat, and respiratory tract. May cause liver and kidney damage, and central nervous system depression.
- Ingestion:** Harmful if swallowed. Ingestion of large amounts may cause nausea, gastrointestinal upset, and pain. May cause liver and kidney damage, and central nervous system depression.
- Chronic:** May cause liver and kidney damage.

## Section 4: First Aid Measures

- Eyes:** Remove contact lenses. Flush with water or saline for 15 minutes. Get medical aid.
- Skin:** Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist.
- Inhalation:** Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
- Ingestion:** Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

## Section 5: Fire Fighting Measures



<b>Autoignition Temperature:</b>	n/e	<b>Flash Point:</b>	-24°C	<b>LEL / UEL:</b>	1 / 15
<b>Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam.				
<b>General Information:</b>	Will burn if involved in a fire. Containers may explode in the heat of a fire. Flash back along vapor trail is possible.				
<b>NFPA Ratings:</b>	Health 1	Flammability 4	Reactivity 1		
<b>HMIS Ratings:</b>	Health 1	Flammability 4	Reactivity 1	WHMIS Codes A, B5, D1A	

## Section 6: Accidental Release Measures

**Spill Procedure:** Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

## Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

**Storage:** Keep away from sources of ignition. Store in a cool, dry, well ventilated area, away from incompatible substances. Keep from freezing.

## Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.

**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Aerosol	<b>Odor:</b>	ethereal	<b>Solubility:</b>	partial	<b>Evaporation Rate:</b>	fast		
<b>Boiling Point:</b>	n/a	<b>Specific Gravity:</b>	0.85	<b>Vapor Pressure:</b>	48 PSI @21°C	<b>Vapor Density:</b>	4.1 (Air=1)	<b>pH:</b>	7

## Section 10: Stability and Reactivity

**Stability:** Stable at normal temperatures and pressures.

**Conditions to avoid:** Temperatures over 40°C, ignition sources, and incompatible substances.

**Incompatibilities:** Alkali and alkaline earth metals, powdered aluminum, zinc, magnesium, and beryllium, strong oxidizers, and strong acids

**Polymerization:** Will not occur.

**Decomposition:** Halogens, halogen acids, possibly carbonyl halides, carbon dioxide, and carbon monoxide, nitrogen oxides

## Section 11: Toxicological Information

**Sensitization:** (effects of repeated exposure) Prolonged or repeated skin contact may cause dermatitis.

**Carcinogenicity:** (risk of cancer) No

**Teratogenicity:** (risk of malformation in an unborn fetus) This product contains xylene, a known embryotoxin. Pregnant women must avoid all contact with this product.



**Reproductive Toxicity:** (risk of sterility) Toluene is listed under **California Proposition 65** under chemicals known to cause reproductive toxicity.

**Mutagenicity:** (risk of heritable genetic effects) No

**Lethal Exposure Concentrations:**      **Ingestion(LD50):** 7400 mg/kg (rat)      **Inhalation (LC50):** 1600 ppm/4h (rat)      **Skin (LD50):** n/e

## Section 12: Ecological Information

**General Information:** Avoid runoff into storms and sewers which lead into waterways. Water runoff can cause environmental damage.

**Environmental Impact Data:** (percentage by weight)

**CFC:** 0      **HFC:** 45      **Cl.Solv.:** 0      **VOC:** 41      **HCFC:** 0      **ODP:** 0

## Section 13: Disposal Information

**General Information:** Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

## Section 14: Transportation Information

**Ground:**

Consumer Commodity, ORM-D.

**Air:**

Shipper must be trained and certified. Refer to IATA regulations.

**Sea:**

Shipper must be trained and certified. Refer to IMDG regulations.

## Section 15: Regulatory Information

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains the following chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372: Methanol (CAS #67-56-1, 1% by weight)

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depletors.

This product does not contain any class 2 ozone depletors.

This product contains methanol (CAS #67-56-1, 1% by weight), listed as a hazardous air pollutant.

## Section 15: Regulatory Information Cont.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product contains toluene, listed under chemicals known to the state to cause reproductive toxicity.

**Health Canada**

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Containers regulations.

**Environment Canada**

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act



This product does not contain any ozone depleting substances.

**Industry and Science Canada**

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

## Section 16: Other Information

**Definitions:** n/a = not applicable, n/e = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.