

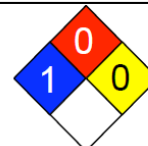
MATERIAL SAFETY DATA SHEET

Section I – Product Identification

Product Name: **Marksoff Green** Effective Date: 18-Jan-2010
 Product Code Number: 5075.0
 Product Use: Graffiti Remover
 WHMIS Class: Class D – Division 2B
 DOT Classification: Not regulated as dangerous good.
 TDG Classification: Not regulated as dangerous good.

Manufacturer/Supplier: **BRODI SPECIALTY PRODUCTS LTD.**
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 Markham, ON
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LEGEND		Health	/	1
HMIS/NFPA		Flammability		0
Severe		Physical Hazard		0
Serious		Personal Protection		B
Moderate				
Slight				
Minimal				



Section II – Hazardous Ingredients

Ingredient(s)	CAS#	Wt%	OSHA PELS	ACGIH-TLV	LC50	Oral LD50
Alcohols, C12-15, ethoxylated	68131-39-5	10-30	Not established	Not established	5 mg/l rat	2000 mg/kg rat
Alcohols, C9-11, ethoxylated	68439-46-3	10-30	Not established	Not established	Not available	1200 g/kg rat
Dimethyl glutarate	1119-40-0	10-30	Not established	Not established	6.1 mg/l/4h rat	8191 mg/kg rat
Butanedioic acid, dimethyl ester	106-65-0	5-20	10 mg/m3 - TWA	10 mg/m3 - TWA	> 11 mg/l rat	5000 mg/kg rat
Hexanedioic acid, dimethyl ester	627-93-0	5-20	Not established	Not established	> 11 mg/l/4h rat	1920 mg/kg rat

Section III – Physical Data

Boiling Point:	195°C	Specific Gravity:	1.00-1.02
Freezing Point:	-40°C	Coefficient of Water/Oil	
Vapor Pressure:	<0.01 mm Hg	Distribution:	Not available
Vapor Density:	Same as water	% Volatile:	0%
Solubility in Water:	Miscible	Evaporation Rate:	Nono
Physical State:	Liquid	pH:	5-7 (5%)
Appearance:	Colorless liquid	Viscosity:	10 Cps
Odor:	Characteristic	Odor Threshold:	Low odor
pH (Use Solution)	5-7	Added Fragrance:	None

Section IV – Fire and Explosion Data

Flammability: Not flammable by WHMIS/OSHA criteria
Flash Point (Tag Closed Cup): 102°C **LEL:** Not available **UEL:** Not available
Hazardous Combustion Products: May include and are not limited to: Oxides of Carbon. Oxides of sulphur.
Auto ignition Temperature: 360°C
Explosion Data:
Sensitivity to Mechanical Impact: Not available
Sensitivity to Static Discharge: Not available
Means of Extinction: Treat for surrounding material.
Special Fire Hazards: Firefighters should wear a self-contained breathing apparatus.

Section V – Reactivity Data

Conditions for Chemical Instability:	Stable under recommended storage conditions.
Incompatible Materials:	Acids. Oxidizers.
Reactivity, and under what conditions:	Do not mix with other chemicals.
Hazardous Decomposition products:	May include and are not limited to: Oxides of carbon. Oxides of sulphur.

Section VI – Toxicological Properties

Route of Entry:	Eye, Skin contact, Inhalation, Ingestion.
Effects of Acute Exposure:	
Eye:	Causes irritation.
Skin:	Causes irritation. May be absorbed through the skin.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May cause stomach distress, nausea or vomiting.

Effects of Chronic Exposure:

Skin:	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Irritancy:	Hazardous by WHMIS/OSHA criteria.
Respiratory Tract Sensitization:	Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity:	Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity:	Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity:	Non-hazardous by WHMIS/OSHA criteria.
Reproductive Effects:	Non-hazardous by WHMIS/OSHA criteria.
Synergistic Materials:	Not available

Section VII – Preventative Measures

Gloves:	Rubber gloves. Confirm with a reputable supplier first.
Eye Protection:	Safety glasses
Respiratory Protection:	Not normally required if good ventilation is maintained.
Other Protective Equipment:	As required by employer code.
Engineering Controls:	General ventilation normally adequate
Leak and Spill Procedure:	Before attempting clean up, refer to hazard data give above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal:	Review federal, state/provincial, and local government requirements prior to disposal.
Handling Requirements:	Use good industrial hygiene practices in handling this material when using do not eat or drink. Wash hands before breaks and immediately after handling the product.
Storage Requirements:	Keep out of reach of children. Store in a closed container away from incompatible materials, keep in a dry, cool place. Avoid storage under direct sunlight.

Section VIII – First Aid

Eye:	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin:	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation:	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion:	Do not induce vomiting. Rinse mouth with water, and then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

Section IX – Preparation Information

Effective Date:	18-Jan-2010
Expiry Date:	18-Jan-2013
Issue Date:	18-Jan-2010
Prepared By:	Brodi Specialty Products Ltd. - MR

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