

M A T E R I A L   S A F E T Y   D A T A   S H E E T

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PRODUCT NAME: BROWN  
 PRODUCT CODE: FX-18

HMIS CODES: H F R P  
 2 3 0 G

===== SECTION I - MANUFACTURER IDENTIFICATION =====

Manufacturer's Name: MATRIX SYSTEM Automotive Finishes, Inc.  
 Address: 850 Ladd Road, Bldg. E  
 Walled Lake, MI 48390



Prepared on: August 1, 2003

Emergency Telephone: (800) 424-9300 [CHEMTREC]  
 Information Telephone: (800) 735-0303  
 D.O.T. Hazard Classification: Paint  
 Flammable Liquid  
 UN 1263

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
2-METHOXYMETHYLETHOXYPROPANOL	34590-94-8	1.6	70 F	70-75%
OSHA TWA: 100 ppm				
OSHA STEL: 150 ppm				
ACGIH TWA: 100 ppm				
ACGIH STEL: 150 ppm				
* N096 - COBALT COMPOUND	PROPRIETARY	N/A	N/A	12%
NIOSH REL: 0.05 mg/m3 TWA as Co				
NIOSH IDLH: 20 mg/m3 as Co				
OSHA PEL: 0.1 mg/m3 as Co				
ACGIH TLV: 0.02 mg/m3 as Co				
* N090 - CHROMIUM COMPOUND	PROPRIETARY	N/A	N/A	11.5%
OSHA PEL: 0.5 mg/m3 TWA as Cr				
IDLH: 25 mg Cr/m3				
* N096 - COBALT (TRACE)	7440-48-4	N/A	N/A	1%
NIOSH REL: 0.05 mg/m3 TWA				
NIOSH IDLH: 20 mg/m3 AS COBALT				
OSHA PEL: 0.1 mg/m3				
ACGIH TLV: 0.02 mg/m3				
* CHROMIUM AS AN INTERGRAL PART OF DYE MOLECULE	7440-47-3	N/E	N/E	1%
OSHA PEL: 1 mg/m3 as Cr				
ACGIH TLV: 0.5 mg/m3 as Cr				

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

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===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 413.6 F	SPECIFIC GRAVITY (H <sub>2</sub> O=1): 0.89
VAPOR DENSITY: Heavier than air	EVAPORATION RATE: Slower than ether
V.O.C. grams/liter: 829.13	V.O.C. lbs./gal.: 6.92
SOLUBILITY IN WATER: Insoluble	SOLIDS BY VOLUME: 7.00
APPEARANCE AND ODOR: Fine powder with no aroma.	

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 192.2 F	METHOD USED: TAGCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a	UPPER: n/a

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical, Water Fog

**SPECIAL FIREFIGHTING PROCEDURES**

Use supplied air breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

FIRE HAZARDS: Use supplied air breathing apparatus during emergency situations. Use full fire-fighting protective clothing. Water may be used to wet closed containers.

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===== SECTION V - REACTIVITY DATA =====

**STABILITY:**

Stable

**CONDITIONS TO AVOID**

High temperature, spark, and fire.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Strong oxidizing materials

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

May produce hazardous fumes when heated to decomposition. Fumes may contain Carbon Monoxide and Carbon Dioxide.

**HAZARDOUS POLYMERIZATION:**

Will not occur

===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

May cause nose and throat irritation. Individuals with breathing problems must not be exposed to this product. If affected by inhalation, remove to fresh air. If breathing difficulty persists, consult a physician.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

May cause irritation of the eyes. Repeated and prolonged skin contact may cause skin irritation. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of all ingredients available.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

ACUTE - Vapor may cause skin, eye, and/or respiratory irritation.

CHRONIC - NONE KNOWN.

**CARCINOGENICITY:    NTP CARCINOGEN: Yes    IARC MONOGRAPHS: Yes**

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===== SECTION VI - HEALTH HAZARD DATA =====

OSHA REGULATED: Yes

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Preexisting eye, skin, and respiratory conditions.

**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation- remove from contaminated atmosphere. In case of massive exposure, get medical attention. Eyes- promptly flush with water for 15 minutes. Get medical attention.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition (sparks, flames, and hot surfaces). Place in leak-proof drums

**WASTE DISPOSAL METHOD**

Dispose in accordance with state ,federal and local regulations. Do not incinerate closed containers.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store away from high tempratures and open flames.

**OTHER PRECAUTIONS**

Do not take internally, avoid prolonged contact with skin.

===== SECTION VIII - CONTROL MEASURES =====

**RESPIRATORY PROTECTION**

Approved combination dust and vapor respirator.

**VENTILATION**

Provide general dillution or local ehxhaust ventilation.

**PROTECTIVE GLOVES**

Solvent resistant.

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===== SECTION VIII - CONTROL MEASURES =====

**EYE PROTECTION**

Safety glasses.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Safety eyewash station.

**WORK/HYGIENIC PRACTICES**

Follow general industrial hygiene. Ingredients in this product are listed in the TSCA inventory.

===== SECTION IX - DISCLAIMER =====

The information contained in this material safety data sheet is information from our suppliers and other sources. It is believed to be reliable. This data is not to be taken as a warranty or representation for which this company assumes legal responsibility.