

Material Safety Data Sheet		HMIS HAZARD RATING			Part B	
May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200 Standard must be consulted for specific requirements		Health	3	FED-STD-313 Latest Revision		
		Flammability	1			
		Reactivity	0			
		PPE	H			
OMB registration Number None		Type of Data Sheet New Revised <b>x</b> <b>Supersedes February 28, 2008</b>		Corrected UN and Label		
SECTION I General Information		Number of revised section:				
Commercial ID (as on label and list) <b>E-400 / E-400X Part B</b>		Government contract or order number <b>ITAR regulated License Required for Export/</b>				
Manufactures Name <b>Flamemaster Corporation</b>		National Stock Number /CAN LSN /SIN <b>[REDACTED]</b>				
Manufactures Address (No Street, City, State and zip) <b>Chem Seal Division 13576 Desmond Street Pacoima, CA 91333-4510</b>		Part number, product and or trade name <b>E-400 / E-400X Part B</b>				
		Hazardous items		Yes <b>X</b> No		
Emergency Telephone Number <b>(800) 424-9300 CHEM TREC</b>		Information telephone number <b>(818) 890-1401</b>		Date prepared <b>February 01, 2010</b>		
Mfr. CAGE code <b>14439</b>		Name of Preparer <b>Leandro I. Rodriguez</b>		Signature of preparer <b>On file</b>		
NRC License number <b>N / A</b>		EPA Registration Number <b>N / A</b>		Specification Number <b>N / A</b>		
Spec. Type <b>N / A</b>		Spec. Grade. <b>N / A</b>		Spec. Class <b>N / A</b>		
SECTION II - Hazardous Ingredients SARA III Information*						
Hazardous Components (Specific chemical identity: Common Name (s))		Other limits	By % weight	OSHA PEL	ACGHI TLV	NIOSH # CAS #
<b>2-Butanone</b>			<b>0 - 14</b>	<b>100 PPM</b>	<b>100 PPM</b>	<b>78-93-3</b>
<b>ISOPROPANOL</b>			<b>0 - 4</b>	<b>400 PPM</b>	<b>400 PPM</b>	<b>8013-70-5</b>
<b>Aliphatic Polyamidoamine</b>			<b>0 - 32</b>	<b>N / E</b>	<b>N / E</b>	<b>68410-23-1</b>
<b>N-BUTANOL</b>			<b>0 - 14</b>	<b>100 PPM</b>	<b>100 PPM</b>	<b>71-36-3</b>
<b>TOLUENE</b>			<b>0 - 6</b>	<b>200 PPM</b>	<b>200 PPM</b>	<b>108-88-3</b>
All remaining Constituents are non-hazardous per FED-STD-313 All Constituents are listed in TSCA inventory; complete mixture is excluded Per TSCA Par. 710.4 (d) 95 (6) (7) Constituents are not listed in TSCA 12b CORR. LIST						
* Indicates toxic chemical (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372						
SECTION III Physical /Chemical Characteristics						
Boiling Point <b>175 F</b>		Specific Gravity (H <sup>2</sup> O = 1) <b>1.42</b>		Auto ignition Temperature <b>N / A</b>		Decomposition Temperature <b>N / A</b>
Vapor Pressure (mm hg) <b>&lt; 0.01</b>		PH <b>11</b>		% Volatile by Volume <b>N / A</b>		Magnetism (milligauss) <b>N / A</b>
Vapor Density Air = 1 <b>N / A</b>		Evaporation rate (Butyl Acetate = 1) <b>&lt; 0.01</b>		Viscosity <b>1200 Poises</b>		Corrosion Rate: <b>N / A</b>
Solubility in Water <b>Slight</b>		Melting Point <b>Liquid at room temperature</b>		Blank		Temp Material Reference
Appearance and Odor: <b>Off White Liquid / sweetly aromatic odor</b>					Volatile Organic Compound VOC <b>N / A</b>	
SECTION - IV Fire and Explosion Hazard Data						
Flash Point (method used) <b>34<sup>o</sup>F TCC</b>			Flammable Limits <b>N / A</b>		LEL <b>N / A</b>	UEL <b>N / A</b>
Extinguishing Methods: <b>Dry chemical, CO<sub>2</sub>, Foam, water fog</b>						
Special Fire Fighting Procedures <b>In confined areas wear self contained breathing apparatus, cool exposed containers with fog nozzles</b>						
Unusual Fire and Explosion Hazards <b>see (Section V) Air supplied respirators should be worn</b>						
SECTION V - Reactivity Data						
Stable <b>X</b>		Unstable		Conditions to avoid <b>N / A</b>		Neutralizing Agents <b>N / A</b>
Incompatibility (materials to avoid) <b>strong acids, Excessive heat</b>			Hazardous Decomposition products <b>Oxides of carbon, nitrogen</b>			
Hazardous Polymerization May Occur		Will not Occur <b>X</b>		Conditions to avoid <b>None</b>		

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FED-STD-313 Latest Rev		Material: <b>E-400 / E-400X Base Coat</b>		Date <b>02-01-2010</b>	Page 2	<b>Part B</b>
<b>SECTION VI - Health Hazard Data</b>						
Route (s) of entry	Inhalation? <b>yes</b>	Skin? <b>yes</b>	Ingestion? <b>yes</b>			
Health Hazards (Acute and Chronic) <b>Vapor mist can irritate the nose and throat, severely irritating to eyes and skin</b>						
<b>Material can cause skin sensitization and dermises.</b>						
Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO			
Medical conditions generally aggravated by exposure: <b>Asthma - Liver</b>						
Signs and symptoms of exposure: <b>Headache, dizziness, tearing of eyes, nose irritation itching of skin signs of redness</b>						
Emergency and first aid Procedures: <b>Eyes: Flush with large amounts of water consult physician. Skin: wash with soap and water. Ingestion: If swallowed get immediate medical attention. Inhalation, remove to outside.</b>						
<b>SECTION VII - - Precautions for Safe Handling and Use</b>						
Steps to be taken in the event the material is released or spilled: <b>Scoop up and transfer to container for reaction with curing agent. Clean up remainder with sand or sweeping compound. Wash area with soap and water. Wear appropriate clothing and protective equipment. (section VIII)</b>						
Waste disposal method: <b>React with curing agent and dispose of as hazardous solid waste per Federal, State and local regulations</b>						
Precautions to be taken handling or storing: <b>Store in closed containers below 120 degrees dry area away from acids, oxidizers, open flame or other possible ignition sources</b>						
Other precautions: <b>Wash hands thoroughly after handling this product prior to eating , drinking or smoking</b>						
<b>SECTION VIII - Control Measures</b>						
Respiratory protection (specify type) <b>When applying in any circumstances likely to produce airborne levels of solvent vapors in excess of the TLV or when mechanically abrading the cured material use a NIOSH approved organic vapor cartridge or air supplied respirator.</b>						
Ventilation:	Local exhaust Air	Special: N / A	Mechanical (general) Fan	Other <b>Hand lotions and /or skin creams</b>		
Protective gloves Type: <b>Rubber gloves</b>		Eye protection Type: <b>Chemical goggles / face shield</b>				
Other protective clothing or Equipment <b>Appropriate clothing to avoid prolonged skin contact apron and safety shoes</b>						
Work /Hygienic practices: <b>Safety shower, eye wash station and washing facilities should be available</b>						
<b>SECTION IX – Transportation ITAR regulated License Required for Export</b>						
Applicable regulations:						
49CFR X	IMO X	IATA X	Military Air (AFR 71-4)	IMDG	Marine Pollutant No	UN number <b>UN 1263</b>
Shipping name: <b>Paint related material</b>		ID Number N / A		Reportable Quantity N / A		
Unit container <b>Metal / Pail / Can</b>		DOT Spec. container N / A		Net explosive weight: N / A		
Hazard class: <b>Class 3 – Packaging group II</b>				Labels: <b>FLAMABLE LIQUID</b>		
DOT Exempt /DOD CCN N / A				Limited Quantity: N / A		
Aerosol propellant (s) N / A				U.S. Postal regulations: 124.122 Harmful mater		
Disposal Information: <b>Incineration or land fill as is, or react with Part A and dispose as non hazardous solid waste</b>						
EPA hazardous waste number /Code: <b>D-001 ignitable</b>		Hazardous waste characteristics: Sludge				
Disposal methods: <b>Incineration or land fill, The material must be handled, packaged and transported according to Federal, State or local regulations</b>						

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