

Material Safety Data Sheet		HMIS HAZARD RATING		Polysulfide Class B, Part A only			
May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200 Standard must be consulted for specific requirements		Health	1	FED-STD-313 Latest Revision			
		Flammability	1				
		Reactivity	0				
		PPE	H				
OMB registration Number None		Type of Data Sheet		reformatted new address			
SECTION I General Information		New Revised X		Supersedes 07-01-04			
Commercial ID (as on label and list) CS-3206 Class B (Part A)		Number of revised section:		Supersedes 07-01-04			
Manufactures Name Flamemaster Corporation		Government contract or order number		N / A			
Manufactures Address (No Street, City, State and zip) Chem seal Division 13576 Desmond Street Pacoima, CA 91331-2315		National Stock Number /CAN LSN /SIN		N / A			
		Part number, product and or trade name CS-3206 Class B (Part A)					
		Hazardous items		Yes		No X	
Emergency Telephone Number (800) 424-9300 CHEM TREC		Information telephone number (818) 890-1401		Date prepared APRIL 08 2013			
Mfgr. CAGE code 14439		Name of Preparer Herbert Moore		Signature of preparer On File			
NRC License number N / A		EPA Registration Number N / A		Specification Number AMS-S-83318A			
Spec. Type N/A		Spec. Grade. B		Spec. Class B-1/6			
SECTION II - Hazardous Ingredients SARA III Information*							
Hazardous Components (Specific chemical identity: Common Name (s))		Other limits	By % weight	OSHA PEL	ACGIH TLV	NIOSH #	CAS #
Liquid polysulfide polymer (none CFR 1910.1200)			< 70%	N / E	N / E	None	68611-50-7
Toluene			< 5%	100 ppm	20 ppm	None	00108-88-3
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 N / A		Specific Gravity (H ² O = 1) 1.52		Auto ignition Temperature N / A		Decomposition Temperature N / A	
Vapor Pressure (mm hg) NIL		PH 8.5		% Volatile by Volume 3.0		Magnetism (milligauss) N / A	
Vapor Density Air = 1 NIL		Evaporation rate (Butyl Acetate = 1) NIL		Viscosity 12000 Poises		Corrosion Rate: N / A	
Solubility in Water Negligible		Melting Point Liquid at room temperature		Blank		Temp Material Reference	
Appearance and Odor: White Paste / Polysulfide odor						Volatile Organic Compound VOC 13 grams / liter	
SECTION - IV Fire and Explosion Hazard Data							
Flash Point (method used) > 93⁰ C ----- > 200⁰ F TCC				Flammable Limits N / A		LEL N / A	UEL N / A
Extinguishing Methods: Dry chemical, CO₂, Foam, Water							
Special Fire Fighting Procedures In confined areas wear self contained breathing apparatus, cool exposed containers with fog nozzles							
Unusual Fire and Explosion Hazards Vapors are heavier than air and will collect at low points see (Section V)							
SECTION V - Reactivity Data							
Stable X	Unstable	Conditions to avoid Open Flame			Neutralizing Agents N / A		
Incompatibility (materials to avoid) Strong oxidizing agents				Hazardous Decomposition products H₂S, CO, CO₂, SO₂, Smoke			
Hazardous Polymerization May Occur		Will not Occur X		Conditions to avoid N / A			

FED-STD-313 Latest Rev		Material: CS-3206 Class B (Part A)		Date 04-08-13	Page 2 Polysulfide Class B part A only
SECTION VI - Health Hazard Data					
Route (s) of entry	Inhalation? yes	Skin? yes	Ingestion? yes		
Health Hazards (Acute and Chronic) Non established (possible skin irritation) not considered a primary skin irritant INHALATION: vapor will irritate nose throat and respiratory tract, high concentration may cause dizziness INGESTION: can cause irritation of the gastrointestinal tract					
Carcinogenicity:		NTP? NO	IARC Monographs? NO	OSHA Regulated? NO	
Medical conditions generally aggravated by exposure: None known					
Signs and symptoms of exposure: Skin or eye irritation					
Emergency and first aid Procedures: Eyes: Flush with large amounts of water consult physician. Skin: wash with soap and water. Ingestion: If swallowed induce vomiting get immediate medical attention.					
SECTION VII - - Precautions for Safe Handling and Use					
Steps to be taken in the event the material is released or spilled: 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)					
Waste disposal method: React with curing agent and dispose of as solid waste per Federal, State and local regulations					
Precautions to be taken handling or storing: Empty drums may contain explosive vapors Store below 120 degrees dry area away from acids, oxidizers, open flame or other possible ignition sources					
Other precautions: Wash hands thoroughly after handling this product prior to eating , drinking or smoking					
SECTION VIII - Control Measures					
Respiratory protection (specify type) 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 an organic vapor cartridge or air supplied respirator.					
Ventilation:	Local exhaust Air	Special: N / A	Mechanical (general) Fan	Other N / A	
Protective gloves Type: Solvent resistant gloves			Eye protection Type: Safety Glasses		
Other protective clothing or Equipment Appropriate clothing to avoid prolonged skin contact					
Work /Hygienic practices: Safety shower, eye wash station and washing facilities should be available					
SECTION IX - Transportation					
Applicable regulations:					
49CFR X	IMO X	IATA X	Military Air (AFR 71-4)	IMDG	Marine Pollutant No UN number N/A
Shipping name: Not regulated		ID Number N / A		Reportable Quantity N / A	
Unit container		DOT Spec. container N / A		Net explosive weight: N / A	
Hazard class: N / A			Labels: Not required		
DOT Exempt /DOD CCN N / A			Limited Quantity: N / A		
Aerosol propellant (s) N / A			U.S. Postal regulations: 124.122 Harmful matter		
Disposal Information: Incineration or land fill as is, or react with Part B dispose as hazardous solid waste					
EPA hazardous waste number /Code: D-001 ignitable		Hazardous waste characteristics: Sludge			
Disposal methods: Incineration or land fill, The material must be handled, packaged and transported according to Federal, State or local regulations					

We have obtained the information in this MSDS from sources that we believe to be reliable. However since much of this information has been received from sources outside of the company, it is provided without any warranty expressed or implied regarding its correctness or suitability for specific situations. The conditions of handling, storage, use and disposal are beyond our control and may be beyond our knowledge.

Material Safety Data Sheet May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910. 1200 Standard must be consulted for specific requirements		HMIS HAZARD RATING		CS-3206 Class B (Part B) pg - 1			
		Health	1	FED-STD-313 Latest Revision			
		Flammability	1				
		Reactivity	1				
		PPE	G				
OMB registration None		Type of Data Sheet New Revised X reformatted new address Number of revised section: Supercedes 09-01-2004					
SECTION I General Information		Government contract or order number N / A					
Commercial ID (as on label and list) CS-3206 Class B (Part B)		National Stock Number /CAN LSN /SIN N / A					
Manufactures Name Flamemaster Corporation		Part number, product and or trade name CS-3206 Class B (Part B)					
Manufactures Address (No Street, City, State and zip) Chem seal Division 13576 Desmond Street Pacoima, CA 91331-2315		Hazardous items		Yes No X			
Emergency Telephone Number (800) 424-9300 CHEM TREC		Information telephone number (818) 890-1401		Date prepared April 08 2013			
Mfgr. CAGE code 14439		Name of Preparer HUSSAIN RAZA		Signature of preparer On File			
NRC License number N / A		EPA Registration Number N / A		Specification Number AMS-S-83318A			
Spec. Type N / A		Spec. Grade. N / A		Spec. Class N / A			
SECTION II - Hazardous Ingredients SARA III Information*							
Hazardous Components (Specific chemical identity: Common Name (s))		Other limits	By % weight	OSHA PEL	ACGIH TLV	NIOSH #	CAS #
Manganese Dioxide		N / E	< 65%	5 ppm	5mg /m³	0P0350000	1313-13-9
Manganese Dioxide is in a wetted out dispersion exposure limits based on dust that is not present in this composition.							
All remaining Constituents are non-hazardous per FED-STD-313 All Constituents are listed in TSCA inventory; complete mixture is excluded Per TSCA Para. 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 N / A		Specific Gravity (H ² O = 1) 2.0		Auto ignition Temperature Not flammable		Decomposition Temperature Unknown	
Vapor Pressure (mm hg) N / A		PH 9		% Volatile by Volume 2.0		Magnetism (milligauss) N / A	
Vapor Density Air = 1 N / A		Evaporation rate (Butyl Acetate = 1) Non Volatile		Viscosity 1000 Poises		Corrosion Rate: N / A	
Solubility in Water Negligible		Melting Point Liquid at room temperature		Blank		Temp Material Reference	
Appearance and Odor: Black paste negligible oily odor					Volatile Organic Compound VOC Non Volatile		
SECTION - IV Fire and Explosion Hazard Data							
Flash Point (method used) > 93^o C ----- > 200^o F TCC			Flammable Limits N / A		LEL N / A	UEL N / A	
Extinguishing Methods: Dry chemical, CO₂, Foam, Water							
Special Fire Fighting Procedures In confined areas wear self contained breathing apparatus, cool exposed containers with fog nozzles							
Unusual Fire and Explosion Hazards Explosion hazard if heated with oxidizable materials							
SECTION V - Reactivity Data							
Stable X	Unstable	Conditions to avoid Easily oxidizable materials			Neutralizing Agents N / A		
Incompatibility (materials to avoid) Easily oxidizable materials			Hazardous Decomposition products Oxides of nitrogen, Carbon, manganese compounds				
Hazardous Polymerization May Occur		Will not Occur X		Conditions to avoid None			

FED-STD-313 Latest Rev		Material: CS-3206 B Part B Manganese		Date 04-08-13	Page 2 CS-3206 Class B (Part B) pg - 1
SECTION VI - Health Hazard Data					
Route (s) of entry	Inhalation? no	Skin? No	Ingestion? Yes		
Health Hazards (Acute and Chronic) Impairment of central nervous system					
Carcinogenicity:		NTP? No	IARC Monographs? No	OSHA Regulated? No	
Medical conditions generally aggravated by exposure: None known					
Signs and symptoms of exposure: Sluggishness, Sleeplessness, and / or Weakness in legs					
Emergency and first aid Procedures: Eyes: Flush with large amounts of water consult physician. Skin: wash with soap and water. Ingestion: get immediate medical attention.					
SECTION VII - - Precautions for Safe Handling and Use					
Steps to be taken in the event the material is released or spilled: Dike and cover with non-oxidizable absorbent. Scoop up and transfer to container for reaction with base. Clean up remainder with sand or non-oxidizable sweeping compound. Wash area with soap and water. Wear appropriate clothing and protective equipment. (section VIII)					
Waste disposal method: React with base and dispose of as solid waste per Federal, State and local regulations					
Precautions to be taken handling or storing: Keep container tightly closed, store in a dry location away from flammables (see Section VIII) wash hands thoroughly after handling					
Other precautions: Wash hands thoroughly after handling this product prior to eating , drinking or smoking					
SECTION VIII - Control Measures					
Respiratory protection (specify type) When mechanically abrading the cured material use an organic vapor cartridge or air supplied respirator.					
Ventilation:	Local exhaust Air	Special: N / A	Mechanical (general) Fan	Other N / A	
Protective gloves Type: Chemical resistant gloves			Eye protection Type: Chemical goggles / face shield		
Other protective clothing or Equipment Appropriate clothing to avoid prolonged skin contact					
Work /Hygienic practices: Safety shower, eye wash station and washing facilities should be available					
SECTION IX - Transportation					
Applicable regulations:					
49CFR X	IMO X	IATA X	Military Air (AFR 71-4)	IMDG	Marine Pollutant No UN number N / A
Shipping name: Not regulated			ID Number N / A	Reportable Quantity N / A	
Unit container N/A			DOT Spec. container N / A	Net explosive weight: N / A	
Hazard class: N / A			Labels: Not required		
DOT Exempt /DOD CCN N / A			Limited Quantity: N / A		
Aerosol propellant (s) N / A			U.S. Postal regulations: 124.122 Harmful matter		
Disposal Information: Incineration or land fill as is, or react with Part A dispose as solid waste					
EPA hazardous waste number /Code: N / A			Hazardous waste characteristics: Sludge		
Disposal methods: When disposing of this material, the material must be handled, packaged and transported according to Federal, State or local regulations					

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