

.

13576 Desmond Street

Pacoima, CA 91331 - USA

Secti	Section -1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION							
	1.1. Product Identifi	ier: CS-3330 PT A Cla	ss A BASE (ALL CLAS	SES)				
	<ul> <li>Product Name: Access Door Sealant / Base compound Part-A Class A</li> </ul>							
	- Product reference:	CS-3330 PT A Class	A Base Compound					
	1.2. Product Use:							
	- Access Door Seala	nt / Base Compound	l					
	1.3. Manufacturer's	s Name:		1.3.1 Suppliers	s Name ( i	if not man	ufacturer)	
	CAGE Code: 14439							
	Flamemaster Corp.							
	<b>Chem Seal Division</b>							
	13576 Desmond Str	reet						
	Pacoima, CA 91333	– USA						
	<b>Technical Contact:</b>			1.4. Emergenc	y Telepho	one:		
	Flamemaster	Corp.		Chemtrec – Chemtrec International				
	<b>Tel</b> : 818-890-2	1401		800-424-9300 ( North America)				
	Fax: 818-890-6001			703-527-3887 (Outside North America))				
	www.flamemaster.com							
	Specificat	tion: AMS 3	284 / MIL-S-8784	Base PT	A CLA	TYPE 1	ALL	
	NSN:	8030-00-584-4399	8030-00-291-8380	8030-00-152-0062				
	INDIN.	CS3330A-2 1/2 PINT	CS3330 A1/2 1/2 PT	CS3330A2 2.5 OZ				

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OSHA/HCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) CLASSIFICATION OF THE MIXTURE: ASPIRATION - CATEGORY 1 FLAMMABLE LIQUIDS - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION (UNBORN CHILD) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (STOT RE) (REPEATED EXPOSURE) - Category 2 AQUATIC CHRONIC - Category 4

GHS LABEL REQUIREMENTS HAZARD PICTOGRAMS

SIGNAL WORD : DANGER



#### HAZARD STATEMENTS:

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS - (H304) HIGHLY FLAMMABLE LIQUID AND VAPOR - (H225) CAUSES SERIOUS EYE IRRITATION - H319 CAUSES SKIN IRRITATION - H315 SUSPECTED OF DAMAGING THE UNBORN CHILD - (H361d) SUSPECTED OF CAUSING CANCER - (H351) MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE - (H373) MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE - (H413)

#### **PRECAUTIONARY STATEMENTS:**

- P101+P102+P103: If medical advice is needed, have product container or label at hand. Keep out of reach of children.
- Read label before use
- P202: Do not handle until all safety precautions have been read and understood
- P210: Keep away from heat/sparks/open flames and hot surfaces-No Smoking
- P240:Ground/bond container and receiving equipment
- P261+P262+P263+P264:Avoid breathing dust/fumes/gas/mist/vapours/spray.Do not get in eyes , on skin, or on clothing. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling.
- P270+P271+P273: Do not eat drink or smoke when using this product. Use only outdoors or in a well ventilated area. Avoid release to the environment.
- P281+P280: Use personal protective equipment as required. Wear protective gloves/ protective clothing/ eye protection/face protection
- P301+P310+P331: If swallowed: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.
- P305+P351+P338+P315: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice attention.
- P304+P340+P314: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell
- P342+P340+P315: If experiencing respiratory symptoms: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.
- P302+P352: If on skin (or in hair) : Wash with plenty of soap and water. If skin irritation occurs seek medical attention
- P306+P361: If on clothing: Remove/ take off immediately all contaminated clothing
- P402+P403+P404: Store in a dry place. Store in a well ventilated space. Store in a closed container.
- P233+P234+P235: Keep container tightly closed. Keep only in original container. Keep cool.

#### SUPPLEMENTAL LABEL ELEMENTS:

Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of concentrations above recommended limits causes headaches, drowsiness and nausea and could lead to unconsciousness or possibly death.

1-component mixtures: formaldehyde is released during the curing phase. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause the skin to become sensitized.

Avoid any contact with skin or clothing and wash thoroughly after handling.

Emits toxic fumes when heated.

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HAZARDS NOT OTHERWISE CLASSIFIED:

Prolonged or repeated exposure may dry skin and / or cause skin irritation.

Sanding and grinding dust may be harmful if inhaled. Sanding and grinding dust may form combustible concentrations in air.

#### Section -3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical family : Mixture of organic compounds

For the hazards of the composition, (SDS see Section 2).

# GHS CLASSIFICATION:LIQUID POLYSULFIDE POLYMER // OSHA HAZARDS: TARGET ORGAN EFFECT, IRRITANT, FLAMMABLE LIQUID

EYE IRRITATION (CATEGORY 2)

SKIN IRRITATION (CATEGORY 2)

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE-(CATEGORY 3)

AQUATIC, CHRONIC (CATEGORY 3)

# 2-BUTANONE

OSHA HAZARDS: FLAMMABLE LIQUID, TARGET ORGAN EFFECT, IRRITANT TARGET ORGANS: CENTRAL NERVOUS SYSTEM GHS CLASSIFICATION: 2-BUTANONE FLAMMABLE LIQUIDS (CATEGORY 2) ACUTE TOXICITY, ORAL (CATEGORY 5) EYE IRRITATION (CATEGORY 2A) SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE (CATEGORY 3), CENTRAL NERVOUS SYSTEM OTHER HAZARDS: REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS AND CRACKING

# TITANIUM DIOXIDE

OSHA HAZARDS: CARCINOGEN GHS CLASSIFICATION: TITANIUM DIOXIDE SKIN IRRITATION: (CATEGORY 3) CARCINOGENICITY (CATEGORY 2)

# LIMESTONE:

GHS CLASSIFICATION: LIMESTONE Acute Toxicity : Oral (Category 4) Skin Corrosion/Irritation - (Category 2) Eye Damage / Irritation - (Category 2B) Carcinogenicity (CATEGORY 1A) Specific Target Organ Toxicity - Repeated Exposure -STOT RE- (Category 1) Specific Target Organ Toxicity - Single Exposure -STOT SE- (Category 3)

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SUBSTANCE	H&P STATEMENTS	CAS	EINECS/ELINCS	
% by weight in the product				
LIQUID POLYSULFIDE-POLYMER < 71%	H319,H335,H315,H412,H223, P210,P270,P305+P351+P338	N/A	POLYMER	
	+P313,P306+P361,P370+P260			
2-BUTANONE (MEK) <15%	H225,H303+H333,H319,H336,P210,	78-93-3	201-159-0	
	P261,P305+P351+P338			
Titanium Dioxide <3%		13463-67-7	236-675-5	
	H319,H335,H315,H332,H312,H302 H373,P305+P351+P313,P280+ P281,P262,P102,P280			
Limestone <15%	H315, H318,H335,H319 P305+P351+P338+P313,P280	1317-65-3	207-439-9	

#### Section -4. FIRST-AID MEASURES

**General:** When in doubt or symptoms persist, seek medical attention. Have Safety Data Sheet information available. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air, if breathing has stopped, administer artificial respiration. Give nothing by mouth, seek immediate medical attention.

Sanding and grinding dust may be harmful if inhaled. Sanding and grinding dust may form combustible concentrations in air.

**Eye contact:** Check for and remove any contact lenses. Irrigate with clean, fresh water for at least 15 minutes, holding the eyelids apart. Seek immediate medical attention.

**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleaners. Do NOT use aromatic solvents, thinners or petroleum products.

Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

May be fatal if swallowed or vomited and enters lungs and/or airways. Never give anything by mouth to an unconscious person.

# Section -5. FIRE-FIGHTING MEASURES

#### Extinguishing agents

**Recommended:** Universal resistant foam, CO2, water, powder.

Agents to avoid: None known

#### Attention

Promptly remove all persons in the event of a fire from the fire area. If safe to do so, remove all containers from fire area as well.

Fire will produce dense black smoke. Exposure to decomposition products may cause a Health Hazard. Fire fighters should wear self-contained breathing apparatus.

Water mist may be used to cool closed containers to prevent pressure build-up and possible auto-ignition and explosion when exposed to extreme heat.

Do not weld, flame cut or expose to extreme heat or ignition sources, empty containers which have contained flammable products.

Do not allow run-off from fire fighting to enter drains or water courses.

Never allow this material, any solutions, or any by-products, as well as any run-off, to come into contact with soil, waterways, wildlife habitats, drains, sewers, and / or the ocean. Avoid release into environment.

HAZARDOUS DECOMPOSITION PRODUCTS INCLUDE BUT MAY NOT BE LIMITED TO: CARBON DIOXIDE, CARBON MONOXIDE, NITROGEN OXIDES, SULFUR OXIDES, HALOGENATED COMPOUNDS, METAL OXIDE / OXIDES, FORMALDEHYDE, OTHER NOXIOUS / TOXIC FUMES

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# Section -6. ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition, ventilate the area. Avoid breathing vapors by using appropriate respiratory protective equipment. Refer to protective measures listed in sections 7 & 8.

Collect spill with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with local regulations (see section 13). Do not allow to enter drains or watercourses.

Never allow this material, any solutions, or any by-products, as well as any run-off, to come into contact with soil, waterways, wildlife habitats, drains, sewers, and / or the ocean. Avoid release into environment.

Clean-up with a detergent/ water mix ; avoid use of aromatic solvents. If the product enters drains or watercourses, inform authority with jurisdiction in accordance with state / local regulations.

# Section -7. HANDLING AND STORAGE

# 7.1 Handling:

No smoking, eating and drinking during handling.

Avoid exposure during pregnancy/while nursing.

Keep containers tightly closed. Prior to movement containers which are opened should be carefully resealed.

Avoid skin and eye contact. Avoid inhalation in case of exposure to vapor and spray mist.

Handle and open containers with care to avoid spilling of contents. Never use pressure to empty; container is not a pressure vessel. Clean or discard contaminated clothing and shoes.

Preparation may charge electrostatically; always use grounding/ bonding/ earthing leads when transferring contents of containers. Operators should wear antistatic footwear and clothing, and floors should be electrically conductive. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air, and avoid vapor concentration higher than the Occupational Exposure Limits.

Use in areas from which local sources of ignition have been excluded. Electrical equipment including lighting should be protected to the appropriate standard. Isolate from sources of heat, sparks and open flame. Non-sparking tools are recommended.

#### 7.2 Storage:

Observe label precautions. Store between 32/F and 95/F (0/C and 35/C) in a dry, clean and well ventilated place, away from sources of heat, ignition, and direct sunlight. For flash points below 23 °C store in an area constructed to the appropriate standard

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# 8.1 Engineering measures:

Avoid the inhalation of vapors, spray mist and particulates. Achieve by local exhaust ventilation providing good general extraction as to keep air-borne concentration below the Occupational Exposure Limits (OEL).

If local / area ventilation is not sufficient to comply with OEL, suitable (NIOSH) respiratory protection to be provided. Always provide suitable (NIOSH) respiratory protection when sanding, grinding or otherwise abrading cured material.

#### 8.2 Exposure limits

Work place exposure limits ( 8 hour )							
Substance	OSHA	ACGIH TWA					
ALIPHATIC POLYSULFIDE-POLYMER	Not known	Not known					
2-BUTANONE (MEK) *	200 ppm	200 ppm					
CALCIUM CARBONATE *	5 mg/m <sup>3</sup> (RESPIRABLE FRACTION)	3 mg/m <sup>3</sup> (RESPIRABLE FRACTION)					
CALCIUM CARBONATE *	15mg/m <sup>3</sup> (TOTAL DUST)	10 mg/m <sup>3</sup> (TOTAL DUST)					
TITANIUM DIOXIDE *	15mg/m <sup>3</sup> (TOTAL DUST)	10 mg/m <sup>3</sup> (TOTAL DUST)					
LIMESTONE *	5 mg/m <sup>3</sup> (RESPIRABLE FRACTION)	Not known					
	15mg/m <sup>3</sup> (TOTAL DUST)	Not known					
* can be absorbed through skin							

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# 8.3 Personal protection

All Personal Protective Equipment, including Respiratory Protection, used to control exposure to hazardous substances must be selected to meet the requirements of OSHA Regulations.

#### **Respiratory protection :**

Appropriate respiratory protection equipment should be selected according to the type of contaminants, following regulatory (OSHA / NIOSH) and manufacturers instructions including proper fitting of devices.

#### Hand protection :

For prolonged or repeated contact, recommend gloves type: polyvinyl alcohol, nitrile rubber, latex rubber (some people may exhibit sensitivity to Latex). Barrier creams may help to protect exposed areas of the skin. However, they should not be applied post exposure.

#### Eye protection :

Use safety glasses with side shields to protect against splashes. Face shields may also be worn.

#### Skin protection :

Protective clothing made of antistatic and fire resistant fibers. All parts of the body should be washed after contact. Use good hygiene and industrial practices, keep working clothes clean.

9. PHYSICAL AND CHEMICAL PROPERTIES						
• Physical state at: 68 º F (20 º C) Liquid	• Ph : 8.5					
• Elash point: 90 ° E (32 ° C) Method: TCC	• Volatile by Volume % : 15					

- Flash point: 90 ° F (32 ° C) Method: TCC Volatile by Volume % : 15 Specific gravity at: 68 ° F (20 ° C) 1.55 g/cm3 • Vapor pressure at: 68 ° F (20 ° C) 2 mm Hg • Vapor Density: N/A • Color: Red • Lower Explosive Limit (% vol.): 1.3 • Appearance: Paste •Upper Explosive Limit '(% vol.): 7.1 •Odor: Polysulfide Odor • Miscibility in water at 20 º C: Negligible • Boiling Point: >100°F • Material Supports Combustion : Yes
- VOC : 218 g/l

# **10. STABILITY AND REACTIVITY**

Stable under recommended storage and handling conditions (see SDS section 7). In case of combustion, may produce hazardous decomposition products including but not limited to:

• Carbon Monoxide

• Halogenated Compounds

• Sulfur Oxides

- Oxides of Carbon, Nitrogen, Sulfur Dioxide, Trace Hydrogen Sulfide

• Toxic / Noxious fumes

Carbon Dioxide

Metal Oxide / Oxides

• Formaldehyde

- Smoke
- **11. TOXICOLOGICAL INFORMATION**

There are no data available on the preparation itself. See (SDS Sections 3 and 15) for details.

Exposure to component solvents vapors at concentrations in excess of the stated Occupational Exposure Limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms and signs of overexposure include headache, dizziness, fatigue, muscular weakness, drowsiness, reduced fetal weight, increase in fetal deaths, skeletal malformations, and in extreme cases loss of consciousness Repeated or prolonged contact with the preparation may cause Defatting of the skin resulting in non-allergic dermatitis and absorption through the skin.

The liquid splashed in the eyes causes serious eye irritation and damage.

Irritating to mouth, throat and stomach. Ingestion causes reduced fetal weight, increased fetal deaths and skeletal malformations

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PRODUCT:	RESULT	SPECIES	DOSE	EXPOSURE
Butanone	LC50 Inhalation Vapor	Rat	11243 ppm	4 Hours
	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 ORAL	Rat	2737 mg/kg	-
Titanium Dioxide	LD50 ORAL	Rat	>10g/kg	
May cause damage to o	organs through prolonged or	r repeated exposur	re.	
Suspected of causing ca	ancer. Risk depends on leve	l and duration of e	xposure.	
Suspected of damaging	g the unborn child.			
CARCINOGENICITY:				
INGREDIENT	IARC	OSHA	NTP	CAS#
TITANIUM DIOXIDE :	2B	-	-	13463-67-7
SPECIFIC TARGET ORG	AN TOXICITY-STOT (SINGLE I	EXPOSURE)		
BUTANONE - CATEGOR	RY 3	-		

LIQUID POLYMER - CATEGORY 3 LIQUID POLYMER - CATEGORY 3

**TARGET ORGANS:** BRAIN, BLOOD, KIDNEYS, LUNGS, REPRODUCTIVE SYSTEM, LIVER, HEART, PERIPHERAL NERVOUS SYSTEM, GASTROINTESTINAL TRACT, UPPER RESPIRATORY TRACT, SKIN, CENTRAL NERVOUS SYSTEM, EYE, LENS AND/OR CORNEA.

# ATE VALUE : Oral - 6984 mg/kg

12. ECOLOGICAL INFORMATION
There is no data available on the preparation itself. Do not allow the product to enter drains or water ways. See (SDS
Sections 3 and 15)

Never allow this material, any solutions, or any by-products, as well as any run-off, to come into contact with soil, waterways, wildlife habitats, drains, sewers, and / or the ocean. Avoid release into environment.

Empty containers and/or liners may contain material residue. Empty contaminated packagings thoroughly. Dispose in accordance with all Federal, State, and local health and environmental regulations.

Toxicity :				
Product / Ingredient	Result	Species	Exposure	
Titanium Dioxide	Acute LC50>100mg/l Fresh Water	Daphnia	48 Hours	

Bioaccumulative Potential :			
Product / Ingredient	LogP(ow)	BCF	Potential
Butanone	.29	-	low

# Mobility in Soil : Not Available

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# **13. DISPOSAL CONSIDERATIONS**

Recommended incineration or land fill as hazardous waste per Federal, State and local regulations. React with curing agent and dispose of as hazardous waste per Federal, State and local regulations. Recommended incineration or land fill.

Never allow this material, any solutions, or any by-products, as well as any run-off, to come into contact with soil, waterways, wildlife habitats, drains, sewers, and / or the ocean. Avoid release into environment.

Empty containers and/or liners may contain material residue. Empty contaminated packagings thoroughly. Dispose in accordance with all Federal, State, and local health and environmental regulations.

# **14. TRANSPORT INFORMATION**

DOT: § 172.101 HAZARDOUS MATERIALS TABLE UN Number: 1133 Proper Shipping Name: Adhesives Labels: Flammable Liquid



Hazard Class: 3 Subclass: NO Packaging Group: III Limited Quantity: Passenger aircraft: 60 Liter (16 gallon) Cargo aircraft only: 220 Liter (58 gallon) Vessel stowage: A ERG: 128 NMFC: 4620 SUB.6 – CL.60 Schedule B # 3506.91.0000 IATA: UN Number: 1133 Proper Shipping Name: Adhesives Labels: Flammable Liquid

Hazard Class: 3 Subclass: NO Packaging Group: III Passenger Air Packing Instruction : 309 Passenger aircraft: 60 Liter (16 gallon) Cargo Air Packing Instruction : 310 Cargo aircraft only: 220 Liter (58 gallon)

IMDG: UN Number: 1133 Proper Shipping Name: Adhesives Label: 3 Hazard Class: 3 Subclass: NO Packaging Group: III EMS No: F, E – S, D

15. REGULATORY INFORMATION							
US Regulations Federal							
chemical (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 (SARA)	Chemical Name	CAS No	Weight %	Threshold limit (Reporting Value			
	LIQUID POLYMER	N/A	50%-71%	Unknown			
	2-BUTANONE	78-93-3	<15%	Unknown			
	LIMESTONE	1317-65-3	<15%	Unknown			
	Titanium Dioxide	*13463-67-7	< 3%	Unknown			
	*(DELE	TED CAS# 98084-96	-9)				

SARA notifications must remain attached to this SDS. Any copies and /or distribution of this SDS must include all SARA notifications.

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

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# US Regulations State

California Proposition 65	LIQUID POLYMER	N/A
(Developmental – Female)	LIQUID POLYMER	
Massachusetts	LIQUID POLYMER	N/A
New Jersey	LIQUID POLYMER	N/A
Pennsylvania	LIQUID POLYMER	N/A
Rhode Island	LIQUID POLYMER	N/A
California Proposition 65 (Developmental – Female)	2-BUTANONE	78-93-3
Massachusetts	2-BUTANONE	78-93-3
New Jersey	2-BUTANONE	78-93-3
Pennsylvania	2-BUTANONE	78-93-3
Rhode Island	2-BUTANONE	78-93-3
California Proposition 65	Titanium Dioxide	13463-67-7
(Developmental – Female)		
Massachusetts	Titanium Dioxide	13463-67-7
New Jersey	Titanium Dioxide	13463-67-7
Pennsylvania	Titanium Dioxide	13463-67-7
Rhode Island	Titanium Dioxide	13463-67-7
California Proposition 65	Limestone	1317-65-3
(Developmental – Female)		
Massachusetts	Limestone	1317-65-3
New Jersey	Limestone	1317-65-3
Pennsylvania	Limestone	1317-65-3
Rhode Island	Limestone	1317-65-3
Pennsylvania	Calcium Carbonate	471-34-1
New Jersey	Calcium Carbonate	471-34-1
Pennsylvania	Stearic Acid	57-11-4
New Jersey	Stearic Acid	57-11-4

United States: Sara 302/304 (Sara 304 RQ): Not Applicable

Information On Ingredients: None Were Found

# Sara 311/312

Classification: Fire Hazard, Immediate (acute) Health Hazard, Delayed (chronic) Health Hazard

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#### **Information On Ingredients:**

 Butanone: Fire Hazard, Immediate (acute) Health Hazard

 Polysulfide Polymer: Immediate (acute) Health Hazard

 Titanium Dioxide: Delayed (chronic) Health Hazard

 Sudden Release Of Pressure: No Products

 Reactivity: No Products

 Sara 313 Notification: \*

 Barium bis[2-[(2-hydroxynaphthyl)azo]

 CAS #1103-38-4

 Percentage of Mixture - < 2%</td>

 naphthalenesulphonate

 \* Do not detach SARA 313 notifications from SDS. All copies of SDS must include SARA 313 notifications.

#### California Prop. 65 : Warning

This product contains a chemical or chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.





Class B – Flammable 2-BUTANONE



Class D - Poisonous and Infectious materials Division 2: Materials Causing Other Toxic Effects D2A D2B Limestone CAS# 1317-65-3 Liquid Polysulfide Polymer CAS# N/A 2-BUTANONE CAS#78-93-3 Titanium Dioxide CAS# 13463-67-7

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Listed National Pollutant Release Inventory (NPRI):TOLUENE CAS:108-88-3

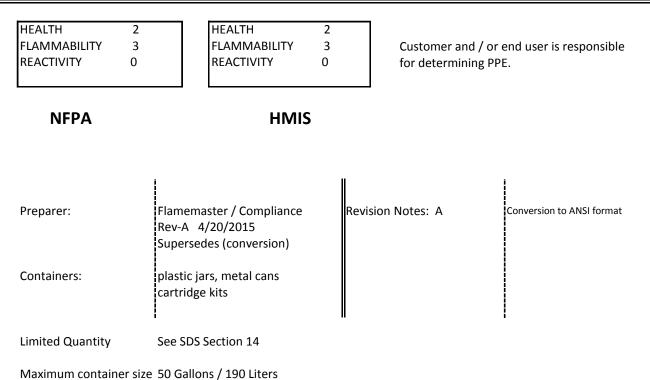
2-BUTANONE CAS#78-93-3

Limestone CAS# 1317-65-3

Liquid Polysulfide Polymer cas# N/A Titanium Dioxide CAS#13463-67-7

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# **16. OTHER INFORMATION**



Notice to reader:

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In all cases, the user must determine the applicability of all information and recommendations contained herein as well as the suitability of this product for their own particular needs or purposes.

This product may be hazardous and should always be used with care and discretion. Every effort has been made to describe all known hazards, but this in no way guarantees the above mentioned hazards are the only hazards present.

Flamemaster Corporation, its Affiliates and its Agents, shall in no way be held liable for any damages resulting from handling, using, storing, disposing of, or from contact with this product. User assumes all risk.

**End of Safety Data Sheet** 

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# SAFETY DATA SHEET APRIL 2015

13576 Desmond Street

Pacoima, CA 91331 - USA

Section -1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION								
1.1. Product Identif	1.1. Product Identifier: CS-3330 Part B Class A (all application times)							
- Product Name: A	<ul> <li>Product Name: Access Door Sealant / Catalyst Part B</li> </ul>							
- Product reference	- Product reference: CS-3330-B							
1.2. Product Use:								
- Access Door Seala	ant							
1.3. Manufacturer'	s Name:		1.3.1 Suppliers	s Name ( if not man	ufacturer )			
CAGE Code: 14439								
Flamemaster Corp	Flamemaster Corp.							
Chem Seal Division								
13576 Desmond St	reet							
Pacoima, CA 91333	– USA							
Technical Contact:			1.4. Emergenc	y Telephone:				
Flamemaster	Corp.		Chemtrec – Chemtrec International					
Tel: 818-890-	1401		800-424-9300 ( North America)					
Fax: 818-890-	Fax: 818-890-6001			703-527-3887 (Outside North America))				
www.flamem	aster.com							
Specification	n: AMS	5 3284/MIL-S-8784	Catalys	st Part B	CLASS A			
NSN:	8030-00-584-4399	8030-00-291-8380	8030-00-152-0062			1		
<b>NSN</b> .	CS3330A-2 1/2 PINT	CS3330 A1/2 1/2 PT	CS3330A2 2.5 OZ					

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Section -2. HAZARD ( S ) IDENTIFICATION ACUTE TOXICITY (ORAL) 4, H302 ACUTE TOXICITY (INHALATION) 4, H332 SKIN SENSITIZATION 1, H317 CARCINOGENICITY 2, H351 TOXIC TO REPRODUCTION (FERTILITY) 2, H361f SPECIFIC TARGET ORGAN TOXICITY (STOT) REPEATED EXPOSURE 2, H373 Percentage of ingredients of unknown toxicity : 9.5% For A Complete List of H-Statements and Classifications See Section 16

OSHA / HCS STATUS : THIS MATERIAL IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) Human and Environmental Hazards: Harmful by Inhalation and / or Swallowing May Cause an Allergic Skin Reaction Suspected of Damaging Fertility Suspected of Causing Cancer May Cause Damage to Organs through Prolonged or Repeated Exposure

# HAZARD PICTOGRAMS:



SIGNAL WORD:

WARNING

#### HAZARD STATEMENTS:

Harmful by Inhalation and / or Swallowing May Cause an Allergic Skin Reaction Suspected of Damaging Fertility Suspected of Causing Cancer May Cause Damage to Organs through Prolonged or Repeated Exposure

Full text of P statements associated to this compound:

- P101+P102+P103: If medical advice is needed, have product container or label at hand. Keep out of reach of children.
- Read label before use
- P202: Do not handle until all safety precautions have been read and understood
- P210: Keep away from heat/sparks/open flames and hot surfaces-No Smoking
- P240:Ground/bond container and receiving equipment
- P261+P262+P263+P264:Avoid breathing dust/fumes/gas/mist/vapours/spray.Do not get in eyes , on skin, or on clothing. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling.
- P270+P271+P273: Do not eat drink or smoke when using this product. Use only outdoors or in a well ventilated area. Avoid release to the environment.
- P281+P280: Use personal protective equipment as required. Wear protective gloves/ protective clothing/ eye protection/face protection
- P301+P310+P331: If swallowed: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.
- P305+P351+P338+P315: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice attention.
- P304+P340+P314: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell
- P342+P340+P315: If experiencing respiratory symptoms: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.
- P302+P352: If on skin: Wash with plenty of soap and water
- P306+P361: If on clothing: Remove/ take off immediately all contaminated clothing
- P402+P403+P404: Store in a dry place. Store in a well ventilated space. Store in a closed container.
- P233+P234+P235: Keep container tightly closed. Keep only in original container. Keep cool.

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**HAZARDS NOT OTHERWISE CLASSIFIED:** OXIDISING POTENTIAL: Contact with combustible material may result in fire. Keep away from combustible materials. This material increases the risk of fire and may aid in combustion. Prolonged or repeated exposure may dry skin and cause irritation

Section -3. COMPOSITION / INFORMATION ON IN	NGREDIENTS						
Chemical family : Mixture of organic compound							
For the hazards of the composition, (SDS see Section 2).							
CHEMICAL NAME: MANGANESE DIOXIDE OSHA HAZARDS: TARGET ORGAN EFFECT, TOXIC BY TARGET ORGANS: NERVES, LUNGS GHS CLASSIFICATION: ACUTE TOXICITY, ORAL (CATEGORY 4) - H302 ACUTE TOXICITY, INHALATION (CATEGORY 4) - H33		EC# 215-202-6	<65% by weight				
CHEMICAL NAME: TERPHENYL, HYDROGENATED AQUATIC CHRONIC (CATEGORY 4) - H413	CAS# 61788-32-7	EC# 262-967-7	<50% by weight				
CHEMICAL NAME: ZEOLITES NOT CLASSIFIED	CAS#1318-02-1	EC# 215-283-8	<15% by weight				
CHEMICAL NAME: TALC NOT CLASSIFIED	CAS# 14807-96-6	EC# 238-877-9	<10% by weight				
CHEMICAL NAME: CARBON BLACK NOT CLASSIFIED	CAS# 1333-86-4	EC# 215-609-9	<10% by weight				
CHEMICAL NAME: TERPHENYL AQUATIC ACUTE (CATEGORY 1) - H400 AQUATIC CHRONIC (CATEGORY 1) - H410	CAS# 26140-60-3	EC# 247-477-3	<10% by weight				
CHEMICAL NAME: 1,3 DIPHENYLGUANIDINE ACUTE TOXICITY (CATEGORY 4) - H302 SKIN IRRITATION (CATEGORY 2) - H315 EYE IRRITATION (CATEGORY 2) - H319 REPRODUCTIVE (CATEGORY 2) - H361f (FERTILITY) STOT-SINGLE EXPOSURE (CATEGORY 3) - H335 AQUATIC CHRONIC (CATEGORY 2) - H411	CAS# 102-06-7	EC# 203-002-1	<3% by weight				
CHEMICAL NAME: BIS(PIPERIDINOTHIOCARBONY SKIN SENSITIVITY (CATEGORY 1) - H317	<b>(L) TETRASULFIDE</b> CAS# 120	)-54-7 EC# 204-406-(	) <3% by weight				
CHEMICAL NAME: POLYPHENYL, QUARTER AND I	HIGHER CAS# 6895	6-74-1	<10% by weight				
MAGNESIUM CARBONATE	CAS# 546-	93-0	<10% by weight				

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#### Section -4. FIRST-AID MEASURES

**General:** When in doubt or symptoms persist, seek medical attention. Have Safety Data Sheet information available. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air, if breathing has stopped, administer artificial respiration. Give nothing by mouth, seek immediate medical attention.

**Eye contact:** Irrigate with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical attention. **Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleaners. Do NOT use aromatic solvents, thinners or petroleum products.

**Ingestion**: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

# Section -5. FIRE-FIGHTING MEASURES

#### Extinguishing agents

**Recommended:** Universal resistant foam, CO2, water, powder.

Agents to avoid: None known

# Attention

Fire will produce dense black smoke. Exposure to decomposition products may cause a Health Hazard. Fire fighters should wear self-contained breathing apparatus.

Water mist may be used to cool closed containers to prevent pressure build-up and possible auto-ignition and explosion when exposed to extreme heat.

Do not weld, flame cut or expose to extreme heat or ignition sources, empty containers which have contained flammable products.

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous decomposition products include: Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides, Sulfur Oxides Metal Oxide / Oxides

#### Section -6. ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition, ventilate the area. Avoid breathing vapors by using appropriate respiratory protective equipment. Refer to protective measures listed in sections 7 & 8.

Collect spill with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean-up with a detergent/ water mix ; avoid use of aromatic solvents. If the product enters drains or watercourses, inform authority with jurisdiction in accordance with state / local regulations.

# Section -7. HANDLING AND STORAGE

#### 7.1 Handling:

No smoking, eating and drinking during handling.

Avoid exposure during pregnancy.

Keep containers tightly closed. Prior to movement containers which are opened should be carefully resealed.

Avoid skin and eye contact. Avoid inhalation in case of exposure to vapor and spray mist.

Handle and open containers with care to avoid spilling of contents. Never use pressure to empty; container is not a pressure vessel. Clean or discard contaminated clothing and shoes.

Preparation may charge electrostatically; always use grounding/ bonding/ earthing leads when transferring contents of containers. Operators should wear antistatic footwear and clothing, and floors should be electrically conductive. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air, and avoid vapor concentration higher than the Occupational Exposure Limits.

Use in areas from which local sources of ignition have been excluded. Electrical equipment including lighting should be protected to the appropriate standard. Isolate from sources of heat, sparks and open flame. Non-sparking tools are recommended.

# 7.2 Storage:

Observe label precautions. Store between 32/F and 95/F (0/C and 35/C) in a dry, clean and well ventilated place, away from sources of heat, ignition, and direct sunlight. For flash points below 23 °C store in an area constructed to the appropriate standard

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# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

# 8.1 Engineering measures:

Avoid the inhalation of vapors, spray mist and particulates. Achieve by local exhaust ventilation providing good general extraction as to keep air-borne concentration below the Occupational Exposure Limits (OEL).

If local / area ventilation is not sufficient to comply with OEL, suitable (NIOSH) respiratory protection to be provided. Always provide suitable (NIOSH) respiratory protection when sanding, grinding or otherwise abrading cured material.

# 8.2 Exposure limits

Work place exposure limits ( 8 hour )			
Substance ACGIH TLV			
Manganese Dioxide	TWA: 0.1mg/m <sup>3</sup> (as Mn) 8 hours (Inhalable Fraction)		
	TWA: 0.02mg/m <sup>3</sup> (as Mn) 8 hours (Respirable Fraction)		
Terphenyl, Hydrogenated	TWA: 4.9 mg/m <sup>3</sup> 8 hours		
	TWA: 0.5 ppm 8 hours		
Zeolites	TWA: 1mg/m <sup>3</sup> 8 hours (Respirable Fraction)		
Talc	TWA: 2mg/m <sup>3</sup> 8 hours (Respirable Fraction)		
Carbon Black	TWA: 3mg/m <sup>3</sup> 8 hours (Inhalable Fraction)		
Terphenyl	C: 5mg/m³		
	C: 0.53 ppm		
MAGNESIUM CARBONATE	TWA: 5mg/m <sup>3</sup> (Respirable Fraction)		
	TWA: 15 mg/m <sup>3</sup> 8 hours (Total Dust)		

#### . . . . .

# 8.3 Personal protection

All Personal Protective Equipment, including Respiratory Protection, used to control exposure to hazardous substances must be selected to meet the requirements of OSHA Regulations.

# **Respiratory protection :**

Appropriate respiratory protection equipment should be selected according to the type of contaminants, following regulatory (OSHA / NIOSH) and manufacturers instructions including proper fitting of devices.

# Hand protection :

For prolonged or repeated contact, recommend gloves type: polyvinyl alcohol, nitrile rubber, latex rubber (some people may exhibit sensitivity to Latex). Barrier creams may help to protect exposed areas of the skin. However, they should not be applied post exposure.

# Eye protection :

Use safety glasses with side shields to protect against splashes. Face shields may also be worn.

# Skin protection :

Protective clothing made of antistatic and fire resistant fibers. All parts of the body should be washed after contact. Use good hygiene and industrial practices, keep working clothes clean.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state at: 68 ° F (20 ° C) Liquid
- Flash point: 200 ° F (93 ° C) Method: TCC
- Specific gravity at: 68 ° F (20 ° C) 2.0
- Vapor Density: N/A
- Lower Explosive Limit (% vol.): N/A
- Upper Explosive Limit '(% vol.): N/A
- Miscibility in water at 20 º C: NEGLIGIBLE
- Material Supports Combustion. : Yes

# • Ph : 9.0

- •% VOLATILE BY VOLUME 2.0
- Vapor pressure at: 68 ° F (20 ° C) N/A
- Color: BLACK

Smoke

- Appearance: PASTE
- Odor: NEGLIGIBLE OILY ODOR
- Boiling Point: Unknown

#### **10. STABILITY AND REACTIVITY**

Stable under recommended storage and handling conditions (see SDS section 7). In case of combustion, may produce hazardous decomposition products such as :

- Carbon monoxide
- Oxides of nitrogen
- Sulfur oxidesCarbon Dioxide
- Metal Oxide / Oxides
- Manganese Compounds

#### **11. TOXICOLOGICAL INFORMATION**

There are no data available on the preparation itself. See (SDS Sections 3 and 15) for details. Exposure to component solvents vapors at concentrations in excess of the stated Occupational Exposure Limits may result in adverse health

# ACUTE TOXICITY:

PRODUCT:	RESULT	SPECIES	DOSE	EXPOSURE
Manganese Dioxide	LD50 ORAL	Rat	3478 mg/kg	-
Terphenyl, Hydrogenated	LD50 ORAL	Rat	17500 mg/kg	-
Zeolites	LD50 ORAL	Rat	>5 g/kg	-
Carbon Black	LD50 Dermal	Rabbit	>3 g/kg	-
	LD50 Oral	Rat	>15400mg/kg	-
Terphenyl	LD50 Oral	Rat	>1400 mg/kg	-
1, 3-Diphenylguanidine	LD50 Oral	Rat	323mg/kg	-
Magnesium Carbonate	LD50 Oral	Rat	8000mg/kg	

#### **Acute Toxicity Estimates:**

Oral: 1099.7 mg/kg Inhalation (gases): 10532.1 ppm Inhalation (vapors) : 25.75 mg/l Inhalation (Dust and Mist): 3.511mg/l

# Specific Target Organ Toxicity (STOT)- Single Exposure

1,3-Diphenylguanidine - (Category 3) - Target Organ - Respiratory Tract Irritation Zeolites - (Category 3) - Target Organ- Respiratory Tract Irritation Talc - (Category 3) - Target Organ- Respiratory Tract Irritation

# Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Manganese Dioxide - (Category 2) - Target Organs - Not Determined

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CARCINOGENICITY: INGREDIENT	IARC	OSHA	NTP
Zeolites	3	-	-
Carbon Black, Respirable	2B	-	-
Powder			

This Product is Harmful if Swallowed or Inhaled. This Product also Causes Serious Eye Irritation. This Product Causes Skin Irritation, Defatting of the Skin, and May Cause an Allergic Reaction.

Target Organs: lungs, skin, central nervous system, blood, kidneys, nervous system, liver, spleen, lymphatic system, cardiovascular system, upper respiratory tract, bone marrow, eye, lens, cornea

#### Potential chronic health effects include the following:

May cause damage to organs through prolonged or repeated exposure. May lead to defatting of the skin and / or irritation. May lead to allergic reactions. Suspected of causing cancer. Suspected of damaging fertility

# **12. ECOLOGICAL INFORMATION**

There is no data available on the preparation itself. Do not allow the product to enter drains or water ways. See (SDS Sections 3 and 15)

#### **Bioaccumulative Potential:**

Product	LogPow	BCF	Potential
1,3 Diphenylguanidine	1.69	19.95	Low
Bis(piperidinothiocarbonyl)	2.8	16.98	Low
tetrasulfide			

#### Mobility in Soil:

Not Available

#### **13. DISPOSAL CONSIDERATIONS**

Recommended incineration or land fill as hazardous waste per Federal, State and local regulations. React with base and dispose of as hazardous waste per Federal, State and local regulations. Recommended incineration or land fill.

#### **14. TRANSPORT INFORMATION**

DOT: Not regulated UN Number: Not regulated IATA: Not regulated IMDG/IMO: Not regulated NMFC: 4620 SUB.5 – CL.60 Schedule B # 3506.91.0000

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# **15. REGULATORY INFORMATION**

United States Inventory(TSCA 8B) :All Components are Listed or ExemptedAustralia Inventory (AICS):All Components are Listed or ExemptedCanada Inventory (DSL):All Components are Listed or ExemptedChina Inventory (IECSC):All Components Are Listed Or ExemptedJapan Inventory (ENCS):All Components are Listed or ExemptedKorea Inventory (KECI):All Components are Listed or ExemptedNew Zealand (NZIoC):All Components are Listed or ExemptedPhilippines Inventory (REACH):All Components are Listed or Exempted				
Other EU Regulations:				
1,3-Diphenylguanidine - Reproductive (Category 2) H361f (Fertility)				
SARA 311/312 Classification: Immediate (acute) health hazard Delayed (chronic) health hazard				
Composition of Ingredients :				
Manganese Dioxide : Immediate (acute) health hazard Delayed (chronic) health hazard				
Zeolites : Immediate (acute) health hazard				
Polyphenyls, quarter and higher : Immediate (acute) health hazard				
Talc : Immediate (acute) health hazard				
Carbon Black : Fire Hazard Delayed (chronic) health hazard				
Terphenyl : Immediate (acute) health hazard				
1,3-Diphenylguanidine : Fire Hazard Immediate (acute) health hazard Delayed (chronic) health hazard				
Bis(piperidinothiocarbonyl) : Fire Hazard tetrasulfide Immediate (acute) health hazard				

# **US Regulations Federal**

chemical (s) subject to the reporting	Chemical Name	CAS No	Weight %	Threshold limit
requirements of section 313 of Title III				
and of 40 CFR 372 (SARA)				
	Manganese Dioxide	1313-13-9	<65%	Unknown

SARA notifications must remain attached to this SDS. Any copies and /or distribution of this SDS must include all SARA notifications.

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 This sds 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. Page 8 of 10

# US Regulations State

California Proposition 65	MANGANESE DIOXIDE	1313-13-9	< 65%	unknown	
(Developmental – Female)		1010 10 0			
Massachusetts	MANGANESE DIOXIDE	1313-13-9	< 65%	unknown	
New Jersey	MANGANESE DIOXIDE	1313-13-9	< 65%	unknown	
Pennsylvania	MANGANESE DIOXIDE	1313-13-9	<65%	unknown	
Rhode Island	MANGANESE DIOXIDE	1313-13-9	<65%	unknown	

# California Prop 65 Warning :

This Product contains one or more ingredients known by the state of California to cause cancer.



materials Division 2: Materials Causing Other Toxic Effects: Manganese Dioxide CAS#1313-13-9

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR. Listed National Pollutant Release Inventory (NPRI):Manganese Dioxide cas#1313-13-9

HEALTH	3	HEALTH	3
FLAMMABILITY	1	FLAMMABILITY	1
REACTIVITY	1	REACTIVITY	1
(OSHA) PPE	G	(OSHA) PPE	G



NFPA

HMIS

PPE

# Section 16 Other Information

Full Text of H Statements Associated with this Compound:

ACUTE TOXICITY (ORAL) 4, H302 ACUTE TOXICITY (INHALATION) 4, H332 SKIN SENSITIZATION 1, H317 CARCINOGENICITY 2, H351 TOXIC TO REPRODUCTION (FERTILITY) 2, H361f SPECIFIC TARGET ORGAN TOXICITY (STOT) REPEATED EXPOSURE 2, H373

# Full Text of Classifications Associated with this Compound:

Acute Tox. 4, H302: ACUTE TOXICITY (ORAL) - CATEGORY 4Acute Tox. 4, H332: ACUTE TOXICITY (INHALATION) - CATEGORY 4Reproductive 2, H361f : TOXIC TO REPRODUCTION (FERTILITY) - CATEGORY 2Skin Sensitization 1, H317 : SKIN SENSITIZATION - CATEGORY 1STOT RE 2, H373 : SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - CATEGORY 2Carcinogenicity 2, H351 : CARCINOGENICITY - CATEGORY 2

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Preparer-Flamemaster/Compliance Rev A April 2015 Supercedes(Conversion) **Revision Notes: A** 

Conversion to ANSI format

Containers: Plastic Jars, Metal Cans, Cartridge Kits

Maximum Container Size: 50 Gallons/190 Liters

END OF SAFETY DATA SHEET

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