

# SAFETY DATA SHEET JANUARY 15, 2020

File: CS3330AB GSA 07-10

Sealant Base

# Section -1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product Identifier: CS-3330 Part-A Class-B Base (all application times)
- Product Name: Access Door Sealant Base compound Part-A
- Product reference: CS-3330-B

#### 1.2. Product Use:

-Access Door Sealant

CAGE Code: 14439
Flamemaster Corp.
Chem Seal Division
13576 Desmond Street
Pacoima, CA 91333 – USA

1.3. Manufacturer's Name:

**Technical Contact:** 

Flamemaster Corp. Tel: 818-890-1401

**Fax:** 818-890-6001

**Emergency Contact Information:** 

1.3.1 Suppliers Name (if not manufacturer)

See Below

www.flamemaster.com

Specification: AMS3284 / MIL-S-8784 Base PART A CLASS B

NSN:	8030-00-152-0022	8030-01-065-0306	8030-00-680-2041	8030-01-365-3913	8030-01-365-3912
INSIN:	CS3330 2.50Z CART	CS3330 B1/2 GALLON	CS3330 B-2 PINT KIT	CS3330 B-2 6OZ	CS 3330 CL B1/2 6 oz
	8030-01-383-4993	8030-01-028-4336	8030-00-616-9191	8030-00-152-0021	8030-00-598-2910
	CS3330 B-2 6OZ	CS3330 B1/2 QT	CS3330 B-2 1/2 PINT	CS3330 B1/2 8 OZ	CS3330 B1/2 1/2PT
	8030-00-881-3933	8030-01-371-9247			
	CS3330 Pint Cans	CS3330 B-2 2.5 OZ			

**Emergency Contact:** 

CHEMTEL: WWW.CHEMTELINC.COM

Flamemaster Corporation Contract Number MIS2644301

Shipments of hazardous materials within United States, Canada, Puerto Rico, and U.S. Virgin Island should

reference Chemtel's toll free phone number: 1-800-255-3924 - Reference Number MIS2644301

Shipments and safety applications outside of United States, Canada, Puerto Rico, and the U.S. Virgin Islands

must reference Chemtel phone number +1-813-248-0585 - Reference Number MIS2644301 Collect Calls will be accepted. To ensure a bilingual operator please call collect.

Shipments originating in U.S.A. and going overseas must use both numbers.

Shipments originating overseas and destined for US, Canada, Puerto Rico or the Virgin Islands must also use both numbers.

Calls originating on board vessels should follow normal ship to shore protocols. Use international access number

and alert the ship to shore operator you are involved in an emergency incident.

Shipments of hazardous materials within the listed countries should reference Chemtel's in-country phone numbers:

Australia : 1-300-954-583 : Reference Number MIS2644301 Brazil : 0-800-591-6042 : Reference Number MIS2644301 China : 400-120-0751 : Reference Number MIS2644301 India : 000-800-100-4086 : Reference Number MIS2644301 Mexico : 01-800-099-0731 : Reference Number MIS2644301

#### Section -2. HAZARD (S) IDENTIFICATION

OSHA/HCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### **CLASSIFICATION OF THE MIXTURE:**

ASPIRATION HAZARD - CATEGORY 1

SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

**CARCINOGENICITY - Category 2** 

TOXIC TO REPRODUCTION (UNBORN CHILD) - Category 2

REPRODUCTIVE TOXICITY, EFFECTS ON OR VIA LACTATION

**AQUATIC (CHRONIC) - CATEGORY 3** 

**GHS LABEL REQUIREMENTS** 

**HAZARD PICTOGRAMS** 





#### **SIGNAL WORD: DANGER**

#### **HAZARD STATEMENTS:**

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS - H304

CAUSES SERIOUS EYE IRRITATION - (H319)

CAUSES SKIN IRRITATION - (H315)

SUSPECTED OF DAMAGING THE UNBORN CHILD - (H361d)

MAY CAUSE HARM TO BREAST-FED CHILDREN - H362

SUSPECTED OF CAUSING CANCER - (H351)

HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS - H412

#### **GENERAL PRECAUTIONARY STATEMENTS:**

P101: If medical advise is needed, have product container or label at hand.

P102: keep out of reach of children.

P103: Read label before use.

#### PRECAUTIONARY STATEMENTS:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P260: Do not breathe dust / fumes / gas / mist / vapors / spray.
- P263: Avoid contact during pregnancy / while nursing.
- P264: Wash thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P273: Avoid release to the environment.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P281: Use personal protection equipment as required.
- P301+310: IF SWALLOWED: Immediately call a POISON CENTER / doctor / ...
- P302+352: IF ON SKIN: Wash with plenty of water / ...
- P305+351+338: IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses if present and easy to docontinue rinsing.
- P308+313: If exposed: Call a POISON CENTER or doctor / physician.
- P321: Specific treatment...See Label Information
- P331: Do NOT induce vomiting.
- P332+313: If skin irritation occurs: Get medical advice / attention.
- P337+313: If eye irritation persists: Get medical advice / attention.
- P362: Take off all contaminated clothing.
- P391: Collect spillage.
- P405: Store locked up.
- P501: Dispose of contents / containers in accordance with local / regional / national / international regulations

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 2 of 9

#### 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.

#### HAZARDS NOT OTHERWISE CLASSIFIED:

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

## Section -3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical family: Mixture of organic compounds

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

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS): LIQUID POLYMER CAS# N/A WT% < 40%

**Not Classified** 

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS): LIQUID POLYMER CAS# N/A WT% < 40%

Not Classified

**TITANIUM DIOXIDE** CAS# 13463-67-7 WT% <10%

OSHA HAZARDS: CARCINOGEN

GHS CLASSIFICATION: TITANIUM DIOXIDE

SKIN IRRITATION: (CATEGORY 3)
CARCINOGENICITY (CATEGORY 2)

#### **GROUND CALCIUM CARBONATE**

CAS#1317-65-3 WT% < 5%

**CARCINOGENICITY - CATEGORY 1A** 

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - INHALATION - CATEGORY 1, (LUNGS)

#### **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:** Remove any contact lenses if present and easy to do. Irrigate with clean, fresh water for at least 15 minutes, holding the eye lids apart, and 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. Never give anything by mouth to an unconscious person.

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# **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.

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.

Emits toxic fumes when heated.

#### HAZARDOUS DECOMPOSITION PRODUCTS INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:

• Carbon Monoxide

Halogenated Compounds

• Sulfur Oxides

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

Metal Oxide / Oxides

Carbon DioxideFormaldehyde

Smoke
 Toxic Fumes

In case of inhalation of decomposition products released in a fire, symptoms may be delayed. Exposed persons may need to be kept under medical surveillance for at least 48 hours.

# **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. Wash hands and face before eating, drinking, or smoking. 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
ALIPHATIC POLYSULFIDE-POLYMER *	Not known	Not known
GROUND CALCIUM CARBONATE *	15 mg/m³ (TOTAL DUST)	5 mg/m³ (RESPIRABLE FRACTION)
TITANIUM DIOXIDE *	15mg/m³ (TOTAL DUST)	10 mg/m³ (TOTAL DUST)
* can be absorbed through skin		

#### 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
Flash point: 200 ° F (93 ° C) Method: TCC

• Specific gravity at: 68 ° F (20 ° C) 1.52

• Vapor Density: NIL

Lower Explosive Limit (% vol.): N/A
Upper Explosive Limit '(% vol.): N/A

• Miscibility in water at 20 º C: NEGLIGIBLE

• VOC: 1 g/l

• Ph: 8.5

Volatile by VOLUME: 2%

• Vapor pressure at: 68 º F (20 º C) NIL

• Color: Red

Appearance: PASTEOdor: Polysulfide OdorBoiling Point: Unknown

• Material Supports Combustion: Yes

# 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

• Carbon Dioxide

• Metal Oxide / Oxides

• Formaldehyde

• Smoke • Toxic Fumes

# 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

Formaldehyde is released during curing.

## **ACUTE TOXICITY:**

PRODUCT:	RESULT	SPECIES	DOSE	EXPOSURE
Titanium Dioxide	LD50 ORAL	Rat	>10g/kg	-

May cause damage to organs through prolonged or repeated exposure.

Suspected of causing cancer. Risk depends on level and duration of exposure.

Suspected of damaging the unborn child.

# **CARCINOGENICITY:**

INGREDIENT	IARC	OSHA	NTP	CAS#
TITANIUM DIOXIDE :	2B	-	-	13463-67-7
GROUND CALCIUM CARBONATE	1			1317-65-3

**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.

#### ASPIRATION HAZARD:

Not Available

# 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)

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.

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.

#### Toxicity:

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

# Persistance and Degradability:

Not Available

#### Bioaccumulative Potential:

Not Available

Mobility in Soil: Not Available

#### 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.

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.

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.

# **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

# **15. REGULATORY INFORMATION**

# **US Regulations Federal**

**SARA 313** - This Material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

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

**US Regulations State** 

ilations state				
Massachusetts	Ground Calcium Carbonate	1317-65-3	< 5%	>=1.0%
Pennsylvania	Ground Calcium Carbonate	1317-65-3	< 5%	>=1.0%
Massachusetts	Quartz	14808-60-7	<5%	>=1.0%
New Jersey	Quartz	14808-60-7	<5%	>=1.0%
California Proposition 65	Titanium Dioxide	13463-67-7	<10%	>=1.0%
(Developmental – Female)			<10%	>-1.0%
Massachusetts	Titanium Dioxide	13463-67-7	<10%	>=1.0%
New Jersey	Titanium Dioxide	13463-67-7	<10%	>=1.0%
Pennsylvania	Titanium Dioxide	13463-67-7	<10%	>=1.0%
Rhode Island	Titanium Dioxide	13463-67-7	<10%	>=1.0%

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

Information On Ingredients: None Were Found

Sara 311/312

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

**Information On Ingredients:** 

Titanium Dioxide: Delayed (chronic) Health Hazard

Sudden Release Of Pressure: No Products

**Reactivity:** No Products

# California Prop. 65: Warning

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

This product contains a chemical known by the State of California to cause cancer.

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.

#### OTHER CHEMICAL LISTING INFORMATION RELATED TO THIS PRODUCT:

Australia (AICS) - All Components are Listed on Australian Inventory of Chemical Substances.

# **16. OTHER INFORMATION**

HEALTH	2	
FLAMMABILITY	1	
REACTIVITY	0	

HEALTH	2	
FLAMMABILITY	1	
REACTIVITY	0	

Customer and / or end user is responsible for determining PPE

NFPA HMIS

Preparer:	Flamemaster / Compliance	Revision Date: 01/15/2020	Conversion to ANSI format
	plastic jars, metal cans cartridge kits		

Limited Quantity See SDS Section 14

Maximum container size 50 Gallons / 190 Liters

#### Notice to reader:

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.

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** 



# **SAFETY DATA SHEET JANUARY 15, 2020**

File: CS3330BB GSA 07-10 Sealant Catalyst

Pacoima, CA 91331 - USA

	Section -	-1.	CHEMICAL	<b>PRODUCT</b>	AND COMP	ANY	IDENTIFICATION
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1.1. Product Identifier: CS-3330 Part B Class B (all application times)

- Product Name: Access Door Sealant / Catalyst Part B

- Product reference: CS-3330-B

# 1.2. Product Use:

- Access Door Sealant

1.3. Manufacturer's Name: CAGE Code: 14439 Flamemaster Corp. **Chem Seal Division** 13576 Desmond Street

1.3.1 Suppliers Name (if not manufacturer)

**Technical Contact:** 

Pacoima, CA 91333 - USA

Flamemaster Corp.

Tel: 818-890-1401 Fax: 818-890-6001 www.flamemaster.com **Emergency Contact Information:** 

See Below

Specification: AMS3284	MIL-S-8784	CATALYST PART B	CLASS B
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•	•				
NSN:	8030-00-152-0022	8030-01-065-0306	8030-00-680-2041	8030-01-365-3913	8030-01-365-3912
INSIN:	CS3330 2.50Z CART	CS3330 B1/2 GALLON	CS3330 B-2 PINT KIT	CS3330 B-2 6OZ	CS3330 CL B1/2 6 OZ
	8030-01-383-4993	8030-01-028-4336	8030-00-616-9191	8030-00-152-0021	8030-00-598-2910
	CS3330 B-2 6OZ	CS3330 B1/2 QT	CS3330 B-2 1/2 PINT	CS3330 B1/2 8 OZ	CS3330 B1/2 1/2 PT
	8030-00-881-3933				
	CS 3330 Pint				

**Emergency Contact:** 

CHEMTEL: WWW.CHEMTELINC.COM

Flamemaster Corporation Contract Number MIS2644301

Shipments of hazardous materials within United States, Canada, Puerto Rico, and U.S. Virgin Island should

reference Chemtel's toll free phone number: 1-800-255-3924 - Reference Number MIS2644301

Shipments and safety applications outside of United States, Canada, Puerto Rico, and the U.S. Virgin Islands

must reference Chemtel phone number +1-813-248-0585 - Reference Number MIS2644301

Collect Calls will be accepted. To ensure a bilingual operator please call collect.

Shipments originating in U.S.A. and going overseas must use both numbers.

Shipments originating overseas and destined for US, Canada, Puerto Rico or the Virgin Islands must also use both numbers.

Calls originating on board vessels should follow normal ship to shore protocols. Use international access number

and alert the ship to shore operator you are involved in an emergency incident.

Shipments of hazardous materials within the listed countries should reference Chemtel's in-country phone numbers:

Australia: 1-300-954-583: Reference Number MIS2644301 Brazil: 0-800-591-6042: Reference Number MIS2644301 China: 400-120-0751: Reference Number MIS2644301 India: 000-800-100-4086: Reference Number MIS2644301 Mexico: 01-800-099-0731: Reference Number MIS2644301

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# Section -2. HAZARD (S) IDENTIFICATION

ASPIRATION HAZARD - CATEGORY 1

ACUTE TOXICITY (ORAL) 4, H302

ACUTE TOXICITY (INHALATION) 4, H332

SKIN SENSITIZATION 1, H317

SKIN CORROSION/IRRITATION - Category 2

**CARCINOGENICITY 2, H351** 

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

TOXIC TO REPRODUCTION (FERTILITY) 2, H361f

REPRODUCTIVE TOXICITY, EFFECTS ON OR VIA LACTATION

SPECIFIC TARGET ORGAN TOXICITY (STOT) REPEATED EXPOSURE 2, H373

**OSHA / HCS STATUS :** THIS MATERIAL IS CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

Human and Environmental Hazards:

#### **HAZARD STATEMENTS:**

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
Harmful by Inhalation and / or Swallowing
Irritating to Eyes and Skin
May Cause An Allergic Skin Reaction
Suspected of Causing Cancer
Suspected of Damaging Fertility
MAY CAUSE HARM TO BREAST-FED CHILDREN
May Cause Damage to Organs Through Prolonged or Repeated Exposure

#### **HAZARD PICTOGRAMS:**





# **SIGNAL WORD:**

#### **DANGER**

# **GENERAL PRECAUTIONARY STATEMENTS:**

P101: If medical advise is needed, have product container or label at hand.

P102: keep out of reach of children.

P103: Read label before use.

# Full text of P statements associated to this compound:

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P260: Do not breathe dust / fumes / gas / mist / vapors / spray.
- P261: Avoid breathing dust / fumes / gas / mist / vapors / spray.
- P263: Avoid contact during pregnancy / while nursing.
- P264: Wash thoroughly after handling.
- P270: Do not eat, drink, or smoke when using this product.
- P271: Use only outdoors or in a well ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P281: Use personal protection equipment as required.
- P301+310: IF SWALLOWED: Immediately call a POISON CENTER / doctor / ...

#### Continued on Next Page

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Page 2 of 9

- P301+312: IF SWALLOWED: Call a POISON CENTER / doctor / .../ if you feel unwell.
- P302+352: IF ON SKIN: Wash with plenty of water / ...
- P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338: IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses if present and easy to docontinue rinsing.
- P308+313: If exposed: Call a POISON CENTER or doctor / physician.
- P312: Call a POISON CENTER / doctor /... / if you feel unwell.
- P314: Get medical advise / attention if you feel unwell.
- P321: Specific treatment...See Label Information
- P330: Rinse mouth
- P331: Do NOT induce vomiting.
- P332+313: If skin irritation occurs: Get medical advice / attention.
- P333+313: If skin irritation or a rash occurs: Get medical advice / attention.
- P337+313: If eye irritation persists: Get medical advice / attention.
- P362: Take off all contaminated clothing.
- P363: Wash contaminated clothing before reuse.
- P405: Store locked up.
- P501: Dispose of contents / containers in accordance with local / regional / national / international regulations

**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.

# Other Hazards that do not result in classification:

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

# In the event of sanding, grinding, or abrading:

H372 Causes damage to organs through prolonged or repeated exposure.

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

**Chemical family**: Mixture of organic compounds For the hazards of the composition, (SDS see Section 2).

CHEMICAL NAME: MANGANESE DIOXIDE  OSHA HAZARDS: TARGET ORGAN EFFECT, TOXIC BY IN TARGET ORGANS: NERVES, LUNGS GHS CLASSIFICATION: ACUTE TOXICITY, ORAL (CATEGORY 4) - H302 ACUTE TOXICITY, INHALATION (CATEGORY 4) - H332	CAS# 1313-13-9 IHALATION	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	

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**CHEMICAL NAME: TERPHENYL** CAS# 26140-60-3 EC# 247-477-3 <10% by weight

AQUATIC ACUTE (CATEGORY 1) - H400 AQUATIC CHRONIC (CATEGORY 1) - H410

CHEMICAL NAME: 1,3 DIPHENYLGUANIDINE CAS# 102-06-7 EC# 203-002-1 <3% by weight

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

CHEMICAL NAME: BIS(PIPERIDINOTHIOCARBONYL) TETRASULFIDE CAS# 120-54-7 EC# 204-406-0 <3% by weight

SKIN SENSITIVITY (CATEGORY 1) - H317

AQUATIC CHRONIC (CATEGORY 2) - H411

CHEMICAL NAME: POLYPHENYL, QUATER AND HIGHER CAS# 68956-74-1 <10% by weight

MAGNESIUM CARBONATE CAS# 546-93-0 <10% by weight

#### **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:** 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

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.

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 THE FOLLOWING:

• Carbon monoxide • Oxides of nitrogen • Smoke

Sulfur oxidesCarbon DioxideMetal Oxide / OxidesManganese Compounds

Emits toxic fumes when heated.

In case of inhalation of decomposition products released in a fire, symptoms may be delayed. Exposed persons may need to be kept under medical surveillance for at least 48 hours.

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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).

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.

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.

#### 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	ACGIH TLV
Manganese Dioxide	TWA: 0.1mg/m³ (as Mn) 8 hours (Inhalable Fraction)
	TWA: 0.02mg/m³ (as Mn) 8 hours (Respirable Fraction)
Terphenyl, Hydrogenated	TWA: 4.9 mg/m³ 8 hours
	TWA: 0.5 ppm 8 hours
Zeolites	TWA: 1mg/m³ 8 hours (Respirable Fraction)

# **Continued on Next Page**

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# **Continued From Previous Page**

Talc	TWA: 2mg/m³ 8 hours (Respirable Fraction)
Carbon Black	TWA: 3mg/m³ 8 hours (Inhalable Fraction)
Terphenyl	C: 5mg/m³
	C: 0.53 ppm
MAGNESIUM CARBONATE	TWA: 5mg/m³ (Respirable Fraction)
	TWA: 15 mg/m³ 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.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

• Physical state at: 68 º F (20 º 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 º F (20 º C) N/A

• Color: BLACK

• Appearance: PASTE

• Odor: NEGLIGIBLE OILY ODOR

• Boiling Point: Unknown

#### 10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see SDS section 7).

HAZARDOUS DECOMPOSITION PRODUCTS INCLUDE BUT MAY NOT BE LIMITED TO THE FOLLOWING:

Carbon monoxide

• Oxides of nitrogen

Smoke

Sulfur oxidesCarbon Dioxide

Metal Oxide / Oxides

Manganese Compounds

Emits toxic fumes when heated.

In case of inhalation of decomposition products released in a fire, symptoms may be delayed. Exposed persons may need to be kept under medical surveillance for at least 48 hours.

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# 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	-
Magnesium Carbonate	LD50 Oral	Rat	8000mg/kg	-
1, 3-Diphenylguanidine	LD50 Oral	Rat	323mg/kg	-

#### **CARCINOGENICITY:**

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

# Specific Target Organ Toxicity (STOT)- Single Exposure

1,3-Diphenylguanidine - (Category 3)

Zeolites - (Category 3) Talc - (Category 3)

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

Manganese Dioxide - (Category 2)

**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

# 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)

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.

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.

# **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

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#### 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.

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.

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.

## **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

#### **15. REGULATORY INFORMATION**

## 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, quater 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

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**US Regulations Federal** 

chemical (s) subject to the reporting	Chemical Name	CAS No	Weight %	Threshold limit
requirements of section 313 of Title III	i !			(Reporting Value)
and of 40 CFR 372 (SARA)				į
	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

**US Regulations State** 

California Proposition 65	MANGANESE DIOXIDE	1313-13-9	< 65%	>=1.0%	
(Developmental – Female)	I WANGANESE DIOXIDE	1313-13-9	< 05%	>-1.0%	
Massachusetts	MANGANESE DIOXIDE	1313-13-9	< 65%	>=1.0%	
New Jersey	MANGANESE DIOXIDE	1313-13-9	< 65%	>=1.0%	
Pennsylvania	MANGANESE DIOXIDE	1313-13-9	<65%	>=1.0%	
Rhode Island	MANGANESE DIOXIDE	1313-13-9	<65%	>=1.0%	

#### 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.

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	Customer and / or end user is responsible
REACTIVITY	1	REACTIVITY	1	for determining PPE

NFPA HMIS

# **Section 16 Other Information**

Preparer-Flamemaster/Compliance Revision Date: 01/15/2020

Containers: Plastic Jars, Metal Cans, Cartridge Kits

Maximum Container Size: 50 Gallons/190 Liters

#### Notice to reader:

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.

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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