



**FLAMEMASTER**  
Flamemaster Corp.

13576 Desmond Street

Pacoima, CA 91331 - USA

**SAFETY DATA SHEET**

SEPTEMBER 20, 2019

File: CS3213AC GSA 7-10

Corrosion Inhibiting Sealant/

Base Compound

**Section -1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

1.1. Product Identifier: CS-3213 Part A Class C Base / ALL APPLICATION TIMES-(INCLUDES B-12 / B48 / B96)

- Product Name: Corrosion Inhibiting Sealant / Base compound Part-A

- Product reference: CS-3213 Part A Class C Compound

**1.2. Product Use:**

- Corrosion Inhibiting Sealing Compound

**1.3. Manufacturer's Name:**

**CAGE Code: 14439**

**Flamemaster Corp.**

**Chem Seal Division**

**13576 Desmond Street**

**Pacoima, CA 91333 – USA**

**1.3.1 Suppliers Name ( if not manufacturer )**

**Technical Contact:**

**Flamemaster Corp.**

Tel: 818-890-1401

Fax: 818-890-6001

[www.flamemaster.com](http://www.flamemaster.com)

**Emergency Contact Information :**

See Below

**SPECIFICATION: STM40-112**

**BASE COMPOUND/ PART A**

**CLASS C**

**NSN : NONE ISSUED FOR THIS PRODUCT**

**Emergency Contact:**

CHEMTEL: [WWW.CHEMTELINE.COM](http://WWW.CHEMTELINE.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:

FLAMMABLE LIQUIDS - Category 2  
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  
SPECIFIC TARGET ORGAN TOXICITY(REPEATED EXPOSURE) - Category 2  
REPRODUCTIVE TOXICITY, EFFECTS ON OR VIA LACTATION  
AQUATIC (CHRONIC) - CATEGORY 3

### GHS LABEL REQUIREMENTS

#### HAZARD PICTOGRAMS



**SIGNAL WORD : DANGER**

#### HAZARD STATEMENTS:

HIGHLY FLAMMABLE LIQUID AND VAPOR - (H225)  
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)  
SUSPECTED OF CAUSING CANCER - (H351)  
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE - (H373)  
MAY CAUSE HARM TO BREAST-FED CHILDREN - H362  
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.

#### SPECIFIC PRECAUTIONARY STATEMENTS ASSOCIATED WITH THIS PRODUCT:

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking  
P233: Keep container tightly closed.  
P240: Ground / bond container and receiving equipment.  
P241: Use explosion-proof electrical / ventilating / lighting /.../ equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
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.

Continued on Next Page

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.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER / doctor / ...  
 P302+352: IF ON SKIN: Wash with plenty of water / ...  
 P303+361+353: IF ON SKIN ( or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.  
 P305+351+338: IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do-continue rinsing.  
 P308+313: If exposed: Call a POISON CENTER or doctor / physician.  
 P314: Get medical advise / attention if you feel unwell.  
 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.  
 P370+378: In case of fire: Use ... to extinguish.  
 P391: Collect spillage.  
 P403+235: Store in a well ventilated place. Keep cool.  
 P405: Store locked up.  
 P501: Dispose of contents / containers in accordance with local / regional / national / international regulations

#### 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.

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).

---

#### GHS CLASSIFICATION: LIQUID POLYSULFIDE POLYMER

EYE IRRITATION (CATEGORY 2)

SKIN IRRITATION (CATEGORY 2)

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

AQUATIC, CHRONIC (CATEGORY 3)

#### GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS): TOLUENE

FLAMMABLE LIQUIDS (CATEGORY 2),H225

SKIN IRRITATION (CATEGORY 2),H315

REPRODUCTIVE TOXICITY (CATEGORY 2),H361

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE-(CATEGORY 3),CENTRAL NERVOUS SYSTEM,H336

SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE (CATEGORY 2),H373

ASPIRATION HAZARD (CATEGORY 1),H304

ACUTE AQUATIC TOXICITY (CATEGORY 2),H401

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.

## 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

## CALCIUM CARBONATE:

GHS CLASSIFICATION: CALCIUM CARBONATE

EYE DAMAGE (CATEGORY 1)

SKIN IRRITATION (CATEGORY 2)

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

## TITANIUM DIOXIDE

OSHA HAZARDS: CARCINOGEN

GHS CLASSIFICATION: TITANIUM DIOXIDE

SKIN IRRITATION: (CATEGORY 3)

CARCINOGENICITY (CATEGORY 2)

SUBSTANCE % by weight in the product	H&P STATEMENTS	CAS	EINECS/ELINCS
LIQUID POLYSULFIDE-POLYMER < 71%	H319,H335,H315,H412,H223, P210,P270,P305+P351+P338 +P313,P306+P361,P370+P260	N/A	POLYMER
TOLUENE (Methylbenzene) < 12%	H225,H304,H315,H319,H332,H336, H361,H371,H401, P210P260,P281,P301+P310,P305+ P351+ P338,P331	108-88-3	203-625-9
2-BUTANONE (MEK) <15%	H225,H303+H333,H319,H336,P210, P261,P305+P351+P338	78-93-3	201-159-0
Titanium Dioxide <3%	H319,H335,H315,H332,H312,H302 H373,P305+P351+P313,P280+ P281,P262,P102,P280	13463-67-7	236-675-5
Calcium Carbonate <35%	H319 P305+P351+P313,P280	471-34-1	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.

**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.

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.

---

---

**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:** CARBON DIOXIDE, CARBON MONOXIDE, HALOGENATED COMPOUNDS, METAL OXIDE / OXIDES, FORMALDEHYDE, OTHER TOXIC AND IRRITATING 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.

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.

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.

---

**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
TOLUENE (Methylbenzene)*	200 ppm	20 ppm
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)
* 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.

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.

---

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

---

---

- Physical state at: 68 ° F (20 ° C) Liquid
- Flash point: 32.2 ° C --- 90° F Method: TCC
- Specific gravity at: 68 ° F (20 ° C) 1.55 g/cm3
- Vapor Density: N/A
- Lower Explosive Limit (% vol.): 1.3
- Upper Explosive Limit '(% vol.): 7.1
- Miscibility in water at 20 ° C: Negligible
- VOC : 218 g/l
- Ph : 8.5
- Volatile by Volume % : 15
- Vapor pressure at: 68 ° F (20 ° C) 2 mm Hg
- Color: White
- Appearance: Paste
- Odor: Polysulfide Odor
- Boiling Point: 175-350° F
- 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 such as :

- Carbon Monoxide
- Sulfur Oxides
- Carbon Dioxide
- Formaldehyde
- Toxic Fumes
- Halogenated Compounds
- Oxides of Carbon,Nitrogen,Sulfur Dioxide,Trace Hydrogen Sulfide
- Metal Oxide / Oxides
- Smoke
- Irritating 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.

---

---

**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

**ACUTE TOXICITY:**

PRODUCT:	RESULT	SPECIES	DOSE	EXPOSURE
Calcium Carbonate	LD50 ORAL	Rat	6450 mg/kg	-
Butanone	LC50 Inhalation Vapor	Rat	11243 ppm	4 Hours
	LD50 Dermal	Rabbit	6480 mg/kg	-
	LD50 ORAL	Rat	2737 mg/kg	-
Toluene	LC50 Inhalation Vapor	Rat	49 g/m <sup>3</sup>	4 Hours
	LC50 Inhalation Vapor	Rat	8000 ppm	4 Hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 ORAL	Rat	636 mg/kg	-
Titanium Dioxide	LD50 ORAL	Rat	>10g/kg	-

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.

**CARCINOGENICITY:**

INGREDIENT	IARC	OSHA	NTP	CAS#
TOLUENE :	3	-	-	108-88-3
TITANIUM DIOXIDE :	2B	-	-	13463-67-7

**SPECIFIC TARGET ORGAN TOXICITY-STOT (SINGLE EXPOSURE)**

BUTANONE - CATEGORY 3  
LIQUID POLYMER - CATEGORY 3  
TOLUENE - CATEGORY 3  
LIQUID POLYMER - CATEGORY 3

**SPECIFIC TARGET ORGAN TOXICITY-STOT (REPEATED EXPOSURE)**

TOLUENE - CATEGORY 2

**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:**

TOLUENE - CATEGORY 1

**ATE VALUE :** Oral - 8287.8 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

**Persistence and Degradability :**

Product / Ingredient	Aquatic Half Life	Photolysis	Biodegradability
Toluene	-	-	Readily

**Bioaccumulative Potential :**

Product / Ingredient	LogP(ow)	BCF	Potential
Butanone	.29	-	low
Toluene	2.73	8.32	low

**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.

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.



**14. TRANSPORT INFORMATION**

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



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)

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.5 – CL.60  
 Schedule B # 3506.91.0000

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)
	TOLUENE (Methylbenzene)	108-88-3	5% - 12%	Unknown
	LIQUID POLYMER	N/A	50%-71%	Unknown
	2-BUTANONE	78-93-3	<15%	Unknown
	Calcium Carbonate	471-34-1	<35%	Unknown
	Titanium Dioxide	*13463-67-7	< 3%	Unknown
	*(DELETED 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

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.

**US Regulations State**

California Proposition 65 (Developmental – Female)	<b>TOLUENE</b>	108-88-3	5% - 12%	>= 1.0%
Massachusetts	<b>TOLUENE</b>	108-88-3	5% - 12%	>= 1.0%
New Jersey	<b>TOLUENE</b>	108-88-3	5% - 12%	>= 1.0%
Pennsylvania	<b>TOLUENE</b>	108-88-3	5% - 12%	>= 1.0%
Rhode Island	<b>TOLUENE</b>	108-88-3	5% - 12%	>= 1.0%
California Proposition 65 (Developmental – Female)	LIQUID POLYMER	N/A	50%-71%	>= 1.0%
Massachusetts	LIQUID POLYMER	N/A	50%-71%	>= 1.0%
New Jersey	LIQUID POLYMER	N/A	50%-71%	>= 1.0%
Pennsylvania	LIQUID POLYMER	N/A	50%-71%	>= 1.0%
Rhode Island	LIQUID POLYMER	N/A	50%-71%	>= 1.0%
California Proposition 65 (Developmental – Female)	2-BUTANONE	78-93-3	<15%	>= 1.0%
Massachusetts	2-BUTANONE	78-93-3	<15%	>= 1.0%
New Jersey	2-BUTANONE	78-93-3	<15%	>= 1.0%
Pennsylvania	2-BUTANONE	78-93-3	<15%	>= 1.0%
Rhode Island	2-BUTANONE	78-93-3	<15%	>= 1.0%
California Proposition 65 (Developmental – Female)	Calcium Carbonate	471-34-1	<35%	>= 1.0%
Massachusetts	Calcium Carbonate	471-34-1	<35%	>= 1.0%
New Jersey	Calcium Carbonate	471-34-1	<35%	>= 1.0%
Pennsylvania	Calcium Carbonate	471-34-1	<35%	>= 1.0%
Rhode Island	Calcium Carbonate	471-34-1	<35%	>= 1.0%
California Proposition 65 (Developmental – Female)	Titanium Dioxide	13463-67-7	<3%	>= 1.0%
Massachusetts	Titanium Dioxide	13463-67-7	<3%	>= 1.0%
New Jersey	Titanium Dioxide	13463-67-7	<3%	>= 1.0%
Pennsylvania	Titanium Dioxide	13463-67-7	<3%	>= 1.0%
Rhode Island	Titanium Dioxide	13463-67-7	<3%	>= 1.0%

**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

**Information On Ingredients:**

**Butanone:** Fire Hazard, Immediate (acute) Health Hazard

**Polysulfide Polymer:** Immediate (acute) Health Hazard

Continued on Next Page

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.

**Toluene:** Fire Hazard, Immediate (acute) Health Hazard, Delayed (chronic) Health Hazard

**Titanium Dioxide:** Delayed (chronic) Health Hazard

**Sudden Release Of Pressure:** No Products

**Reactivity:** No Products

Sara 313 Notification: \*

Toluene - Cas# 108-88-3 - 3-7% Concentration

\* 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.

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

Liquid Polysulfide Polymer cas# N/A

Calcium Carbonate CAS# 471-34-1

Titanium Dioxide CAS#13463-67-7

**16. OTHER INFORMATION**

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

Customer and / or end user is responsible for determining PPE.

**NFPA**

**HMIS**

Preparer:

Flamemaster / Compliance

Revision Date: 09/20/2019

Conversion to ANSI format

Containers:

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**

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.