

13576 Desmond Street
Pacoima, CA 91331 - USA

Section -1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier: CS-5306 Primer
- Product Name: Primer
- Product reference: CS-5306 Primer

1.2. Product Use:
Primer/Bonding agent

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

1.4. Emergency Telephone:
Chemtrec – Chemtrec International
800-424-9300 (North America)
703-527-3887 (Outside North America))

Specification: AMS 3277 TYPE 1

PRIMER

NSN:	8030-01-330-0726 CS5306A1/4 2.5OZ	8030-01-330-6568 CS5306A1/2 2.5 OZ	8030-01-330-0730 CS5306A1/2 6OZ.	8030-01-330-0728 CS5306 A1/2 1/2 PT	8030-01-330-0729 CS5306 A1/2 PINT
	8030-01-330-0732 CS5306A1/2 QUART	8030-01-330-0731 CS5306A1/2 GAL	8030-01-330-0733 CS5306A1/2 5-GAL	8030-01-330-0734 CS5306A1/2 50-GAL	8030-01-330-0745 CS5306A1 2.5 OZ
	8030-01-330-3437 CS5306A1 6OZ.	8030-01-329-9999 CS5306A1 1/2 PINT	8030-01-330-2578 CS5306A1 PINT	8030-01-330-0737 CS5306A1 QUART	8030-01-330-0736 CS5306A1 GAL
	8030-01-330-2579 CS5306A1 5-GAL	8030-01-329-9998 CS5306A1 50-GAL	8030-01-331-3233 CS5306B-1 50 GAL	8030-01-290-5138 CS5306B-2 2.5 OZ	8030-01-290-5139 CS5306B-2 6OZ
	8030-01-290-5134 CS5306B1/4 2.5 OZ	8030-01-290-5135 CS5306B1/4 6OZ	8030-01-290-5136 CS5306B1/2 2.5OZ	8030-01-290-5137 CS5306B1/2 6OZ	8030-01-330-6571 CS5306B1/2 1/2 PT
	8030-01-330-8631 CS5306B1/2 PINT	8030-01-330-8632 CS5306B1/2 QUART	8030-01-330-6569 CS5306B1/2 GAL	8030-01-330-6570 CS5306B1/2 5-GAL	8030-01-330-6572 CS5306B-1 50-GAL
	8030-01-331-0694 CS5306B-1 1/2 PT	8030-01-330-9114 CS5306B-1 PINT	8030-01-330-9500 CS5306B-1 QUART	8030-01-330-9501 CS5306B-1 GAL	8030-01-331-0693 CS5306B-1 5-GAL
	8030-01-438-4103 CS5306 B2 GAL				

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

SKIN SENSITIZATION - (CATEGORY 1)

SERIOUS EYE DAMAGE / EYE IRRITATION - CATEGORY 2

CARCINOGENICITY - Category 2

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE - (RESPIRATORY TRACT IRRITATION) - CATEGORY 3

ACUTE TOXICITY,ORAL - CATEGORY 4

SPECIFIC TARGET ORGAN TOXICITY-REPEAT EXPOSURE -CATEGORY 2

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

TOXIC TO REPRODUCTION - CATEGORY 2

REPRODUCTIVE TOXICITY, EFFECTS ON OR VIA LACTATION

AQUATIC CHRONIC - CATEGORY 4

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)

HARMFUL IF SWALLOWED - H302

CAUSES SERIOUS EYE IRRITATION - H319

CAUSES SKIN IRRITATION - H315

MAY CAUSE AN ALLERGIC SKIN REACTION - H317

SUSPECTED OF CAUSING CANCER - H351

MAY CAUSE RESPIRATORY IRRITATION - H335

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE - H373

MAY CAUSE DROWSINESS OR DIZZINESS - H336

SUSPECTED OF DAMAGING FERTILITY. SUSPECTED OF DAMAGING THE UNBORN CHILD - H361fd

MAY CAUSE HARM TO BREAST FED CHILDREN - H362

MAY CAUSE LONG LASTING HARMFUL EFFECTS TO AQUATIC LIFE - H413

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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.
- 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.
- 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.
- 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 / ...
- P301+312: IF SWALLOWED: Call a POISON CENTER / doctor / .../ if you feel unwell.
- 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.
- P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+351+338: IF IN EYES: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do-
- 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.
- P370+378: In case of fire: Use Universal Foam, CO2, Water, Powder to extinguish.
- P403+233: Store in a well ventilated place. Keep container tightly closed.
- 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.

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.

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.

Emits toxic fumes when heated.

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.

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).

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

2-PROPANOL

OSHA HAZARDS: FLAMMABLE LIQUIDS, TARGET ORGAN EFFECT, IRRITANT

OTHER HAZARDS THAT DO NOT RESULT IN CLASSIFICATION: MAY FORM EXPLOSIVE PEROXIDES

GHS CLASSIFICATION: 2-PROPANOL

FLAMMABLE LIQUIDS (CATEGORY 2)

SKIN IRRITATION (CATEGORY 3)

EYE IRRITATION (CATEGORY 2A)

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE (CATEGORY 3)

ACUTE TOXICITY ORAL (CATEGORY 5)

ACCELERATOR - (HARDENER) - CONSISTING OF INGREDIENTS :

2,4,6-TRIS (DIMETHYLAMINOMETHYL)PHENOL - Cas# 90-72-2 - 60-100% of Ingredient Mixture

BIS [(DIMETHYLAMINO)METHYL]PHENOL - Cas# 71074-89-0 - 13-30% of Ingredient Mixture

ACUTE TOXICITY (ORAL) - CATEGORY 4

SKIN CORROSION - CATEGORY 1B

SERIOUS EYE DAMAGE - CATEGORY 1

SKIN SENSITIZATION - CATEGORY 1

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - (ORAL) - CATEGORY 2

ACUTE AQUATIC TOXICITY - CATEGORY 3

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(N-TRIMETHOXYSILYLPROPYL)POLYETHYLENEIMINE 50% IN IPA

EYE DAMAGE / EYE IRRITATION - CATEGORY 2A

FLAMMABLE LIQUIDS - CATEGORY 2

SKIN CORROSION / IRRITATION - CATEGORY 3

SILANE ADHESION PROMOTER

SKIN SENSITIZATION - CATEGORY 1

CARCINOGENICITY - CATEGORY 2

SUBSTANCE % by weight in the product	H&P STATEMENTS	CAS	EINECS/ELINCS
2-Propanal (Isopropyl Alcohol) <15%	H225,H316,H319,H336,P210, P261,P305+P351+P338	67-63-0	200-661-7
2-BUTANONE (MEK) <75%	H225,H303+H333,H319,H336,P210, P261,P305+P351+P338	78-93-3	201-159-0
ACCELERATOR (HARDENER) <5%	H302, H314, H317, H318, H373, H402	90-72-2 71074-89-0	N/A N/A
(N-TRIMETHOXYSILYLPROPYL) POLYETHYLENEIMINE 50% IN IPA <5%	H315, H319, H225	75132-84-2	N/A
SILANE ADHESION PROMOTER <10%	H317, H351	3388-04-3	N/A

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.

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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.

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.

Emits toxic fumes when heated.

HAZARDOUS DECOMPOSITION PRODUCTS INCLUDE: CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, OXIDES OF CARBON, METAL OXIDE / OXIDES, SMOKE, SULPHUR OXIDES, ORGANIC COMPOUNDS, FORMALDEHYDE, TOXIC FUMES, SMOKE, SOOT.

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.

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
2-BUTANONE (MEK) *	200 ppm	200 ppm
2-Propanal (Isopropyl Alcohol) *	400 ppm	400 ppm
* 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 ° F (20 ° C) Liquid

Flash point: 23 ° F (-5 ° C) Method: TCC

Color: Clear

Appearance: liquid

Odor: Ketone Odor

Odor Threshold : Data Not Available for Mixture

pH : Data Not Available for Mixture

Melting Point / Freezing Point : Data Not Available for Mixture

Initial Boiling Point and Boiling Range : Data Not Available for Mixture

Flash Point : Data Not Available for Mixture

Evaporation Rate : Data Not Available for Mixture

Flammability (solid, gas) : Data Not Available for Mixture

Upper / Lower Flammability or Explosive Limits : Data Not Available for Mixture

Vapor Pressure : Data Not available for Mixture

Vapor Density : Data Not Available for Mixture

Relative Density : Data Not Availabe For Mixture

Solubility (ies) : Data Not Available for Mixture

Partition Coefficient : n-octanol / water : Data Not Available for Mixture

Auto-ignition Temperature : Data Not Available for Mixture

Decomposition Temperature : Data Not Available for Mixture

Viscosity : Data Not Available for Mixture

10. STABILITY AND REACTIVITY

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

Reactivity : Data Not Available for Mixture

Possibility of Hazardous Reactions : Data Not Available for Mixture

Conditions to Avoid : Data Not Available for Mixture

Incompatible Materials : Data Not Available for Mixture

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

- Carbon Monoxide
- Metal Oxide / Oxides
- Carbon Dioxide
- Formaldehyde
- Oxides of Carbon and Nitrogen
- Smoke
- Toxic Fumes
- Sulphur Oxides
- Soot
- Organic Compounds

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
Butanone	LC50 Inhalation Vapor	Rat	11243 ppm	4 Hours
	LD50 Dermal	Rabbit	6480 mg/kg	-
Isopropyl Alcohol	LD50 Oral	Rat	2737 mg/kg	-
	LD50 Oral	Rat	4710 mg/kg	-
	LD50 Dermal	Rabbit	12870 mg/kg	-

ACUTE TOXICITY (ORAL):

BIS [(DIMETHYLAMINO)METHYL]PHENOL - TOXIC AFTER SINGLE INGESTION
 SILANE ADHESION PROMOTER - May Be Harmful or Fatal if Swallowed

SKIN CORROSION / IRRITATION

ACCELERATOR / HARDENER : Extremely Corrosive and Damaging to Tissue
 SILANE ADHESION PROMOTER - May Cause an Allergic Skin Reaction

SERIOUS EYE DAMAGE / EYE IRRITATION

ACCELERATOR / HARDENER : May Cause Irreversible Eye damage

RESPIRATORY OR SKIN SENSITIZATION

ACCELERATOR / HARDENER : This Product is a Skin Sensitizer

REPRODUCTIVE TOXICITY

2,4,6-TRIS (DIMETHYLAMINOMETHYL)PHENOL - Suspected Human Reproductive Toxicant

CARCINOGENICITY:

INGREDIENT	IARC	OSHA	NTP	CAS#	
SILANE ADHESION PROMOTER	-	Suspected of Causing Cancer	-	No Data Available	- 3388-04-3

SPECIFIC TARGET ORGAN TOXICITY-STOT (SINGLE EXPOSURE)

BUTANONE - Category 3
 2-Propanol - May Cause Drowsiness or Dizziness

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

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS - (H304)

HARMFUL IF SWALLOWED - H302

CAUSES SERIOUS EYE IRRITATION - H319

CAUSES SKIN IRRITATION - H315

MAY CAUSE AN ALLERGIC SKIN REACTION - H317

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MAY CAUSE HARM TO BREAST FED CHILDREN - H362

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ASPIRATION HAZARD:

MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

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
2,4,6-TRIS (DIMETHYLAMINOMETHYL)PHENOL	LC50 175 mg/l	Carp	96 HOURS
2,4,6-TRIS (DIMETHYLAMINOMETHYL)PHENO	LC50 718 mg/l	Daphnia	96 HOURS
2,4,6-TRIS (DIMETHYLAMINOMETHYL)PHENO	ErC50 84 mg/l	Algae	72 HOURS
SILANE ADHESION PROMOTER	LC50 42.3 mg/l	Fish-Carp	96 HOURS
	EC50 36 mg/l	Algae	48 HOURS

PERSISTENCE AND DEGRADABILITY:

2,4,6-TRIS (DIMETHYLAMINOMETHYL)PHENOL 2mg/l Activated Sludge 28 days 4% Not readily Biodegradable

Bioaccumulative Potential :

Product / Ingredient	LogP(ow)	BCF	Potential
Butanone	.29	-	low
2,4,6-TRIS (DIMETHYLAMINOMETHYL)PHENOL	.219 (21.5C)		No Data Available

Mobility in Soil : Not Available

13. DISPOSAL CONSIDERATIONS

Recommended incineration or land fill as hazardous waste per Federal, State and local regulations.

Dispose of as hazardous waste per Federal, State and local regulations. Recommended incineration or landfill.

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.

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14. TRANSPORT INFORMATION

DOT: § 172.101 HAZARDOUS MATERIALS TABLE

UN Number: 1263

Proper Shipping Name: PAINT RELATED MATERIAL

Labels: Flammable Liquid

IATA:

UN Number: 1263

Proper Shipping Name: PAINT RELATED MATERIAL

Labels: Flammable Liquid

Hazard Class: 3 Subclass: NO

Packaging Group: II

Passenger Air Packing Instruction : 353

Passenger aircraft: 5 Liter (1.32 gallon)

Cargo Air Packing Instruction : 364

Cargo aircraft only: 60 Liter (15.85 gallon)

Hazard Class: 3 Subclass: NO

Packaging Group: II

Limited Quantity: Passenger aircraft: 1 Liter(.26 Gallons)

Cargo aircraft only: 60 Liter (15.85 Gallons)

Vessel stowage: A

ERG: 128

NMFC: 149980 Sub.2 CL.55

Schedule B # 3208.90.0000

IMDG:

UN Number: 1263

Proper Shipping Name: PAINT RELATED MATERIAL

Label: 3

Hazard Class: 3 Subclass: NO

Packaging Group: II

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)
	2-BUTANONE	78-93-3	<75%	unknown
	2-Propanal	67-63-0	<15%	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

TSCA INVENTORY LISTING:

- (N-TRIMETHOXYSILYL)POLYETHYLENEIMINE 50% IN IPA Cas# 75132-84-2
- Formaldehyde Polymer with 3-chloro-1-propene and phenol Cas# 28470-78-2
- Benzenetrimethanol, ar-(2-propenyloxy) Cas# 64051-40-7
- Benzenedimethanol, ar-(2-propenyloxy) Cas# 28655-63-2
- Benzenemethanol, (2-propenyloxy) Cas# 286558-62-1
- Formaldehyde Cas# 50-00-0

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)	2-Propanol	67-63-0	<15%	>=1.0%
Massachusetts	2-Propanol	67-63-0	<15%	>=1.0%
New Jersey	2-Propanol	67-63-0	<15%	>=1.0%
Pennsylvania	2-Propanol	67-63-0	<15%	>=1.0%
Rhode Island	2-Propanol	67-63-0	<15%	>=1.0%
California Proposition 65 (Developmental – Female)	2-BUTANONE	78-93-3	<75%	>=1.0%
Massachusetts	2-BUTANONE	78-93-3	<75%	>=1.0%
New Jersey	2-BUTANONE	78-93-3	<75%	>=1.0%
Pennsylvania	2-BUTANONE	78-93-3	<75%	>=1.0%
Rhode Island	2-BUTANONE	78-93-3	<75%	>=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, Fire Hazard

Information On Ingredients:

Butanone: Fire Hazard, Immediate (acute) Health Hazard

2-Propanol : Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Accelerator / Hardener : Acute Health Hazard, Chronic Health Hazard

Silane Adhesion Promoter: Immediate Acute Health Hazard, Delayed (Chronic) Health Hazard

Sudden Release Of Pressure: No Products

Reactivity: No Products

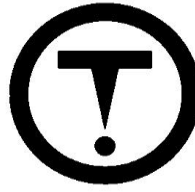
California Prop. 65 : Warning

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

Canada



Class B – Flammable
2-BUTANONE
2-propanal



Class D - Poisonous and Infectious materials Division 2: Materials Causing Other Toxic Effects D2A D2B
Other Toxic Effects D2A 2-propanal

2-BUTANONE CAS#78-93-3

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):

2-BUTANONE CAS#78-93-3

2-Propanol Cas# 67-63-0

16. OTHER INFORMATION

HEALTH	2
FLAMMABILITY	3
REACTIVITY	1

HEALTH	2
FLAMMABILITY	3
REACTIVITY	1

Customer and / or end user is responsible for determining PPE

NFPA

HMIS

Preparer:

Flamemaster / Compliance

Revision Date: 04/25/2019

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