



FLAMEMASTER
 Flamemaster Corp.
 13576 Desmond Street
 Pacoima, CA 91331 - USA

SAFETY DATA SHEET
JUNE 07, 2018

File: V-455 GSA 07-10
Vinyl Coating Compound
(One Part)

Section -1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier: V-455 Vinyl Coating Compound (One Part)
 - Product Name: Vinyl Coating Compound (One Part)
 - Product reference: V-455 Vinyl Coating Compound (One Part)

1.2. Product Use:
 - Vinyl Coating 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

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

Specification: V-455 VINYL COATING ONE PART COMPOUND

NSN:			8010-00-939-6167 V-455 WHITE 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 LIQUID - CATEGORY 2
ASPIRATION HAZARD - CATEGORY 1
ACUTE TOXICITY,ORAL - CATEGORY 4
ACUTE TOXICITY (INHALATION) - CATEGORY 4
ACUTE TOXICITY (DERMAL) - CATEGORY 4
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
SKIN CORROSION/IRRITATION - Category 2
CARCINOGENICITY - Category 1A
GERM CELL MUTAGENICITY-CATEGORY 1B
TOXIC TO REPRODUCTION - CATEGORY 1B
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE - (NARCOTIC EFFECTS) - CATEGORY 3
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE - (RESPIRATORY TRACT IRRITATION) - CATEGORY 3
SPECIFIC TARGET ORGAN TOXICITY-REPEAT EXPOSURE -CATEGORY 2
REPRODUCTIVE TOXICITY, EFFECTS ON OR VIA LACTATION
AQUATIC (ACUTE) - CATEGORY 2
AQUATIC (CHRONIC) - CATEGORY 3

HAZARD STATEMENTS:

HIGHLY FLAMMABLE LIQUID AND VAPOR - H225
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS - H304
HARMFUL IF SWALLOWED - H302
HARMFUL IF INHALED - H332
HARMFUL IN CONTACT WITH SKIN - H312
CAUSES SERIOUS EYE DAMAGE - H318
CAUSES SKIN IRRITATION - H315
MAY CAUSE CANCER - H350
MAY CAUSE GENETIC DEFECTS - H340
MAY DAMAGE THE UNBORN CHILD. SUSPECTED OF DAMAGING FERTILITY - H360Df
MAY CAUSE DROWSINESS OR DIZZINESS - H336
MAY CAUSE RESPIRATORY IRRITATION - H335
MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE - H373
MAY CAUSE HARM TO BREAST-FED CHILDREN - H362
TOXIC TO AQUATIC LIFE - 401
HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS - H412

GHS LABEL REQUIREMENTS:

HAZARD PICTOGRAMS:



SIGNAL WORD : DANGER

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.

Full text of P statements associated to this compound:

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

In the event of sanding, grinding, or abrading:

H372 Causes damage to organs through prolonged or repeated exposure.

Hazards Not Otherwise Classified (HNOC):

Sanding and grinding dust may be harmful if inhaled. Sanding and grinding dust may form combustible concentrations in air. Emits toxic fumes when heated.

Vapors may form flammable / explosive mixtures with air. Prevent the creation of flammable / explosive concentrations of vapors in air. Use and store in well ventilated areas only. Keep isolated from all sources of ignition / combustion.

Section -3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical family : Mixture of organic compounds

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

2 BUTANONE

Cas# 78-93-3

Concentration % in Mixture <5%

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)

ACUTE TOXICITY,INHALATION (CATEGORY 5)

EYE IRRITATION (CATEGORY 2A)

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE(CATEGORY3) CENTRAL NERVOUS SYSTEM.

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.

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)- MIXED XYLENES

Cas# 1330-20-7 Concentration % in Mixture <30%
Flammable Liquids (Category 3), H226
ASPIRATION HAZARD - (CATEGORY 1), H304
Acute Toxicity, Inhalation (Category 4),H332
Acute Toxicity, Dermal (Category 4),H312
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE - (RESPIRATORY TRACT IRRITATION) - CATEGORY 3- H335
SERIOUS EYE DAMAGE/EYE IRRITATION - (Category 2B) - H320
SPECIFIC TARGET ORGAN TOXICITY-REPEAT EXPOSURE - (CATEGORY 2) - H373
Skin Irritation (Category 2),H315
Acute Aquatic Toxicity (Category 2), H401

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS): ETHYL BENZENE

Cas# 100-41-4 Concentration % in Mixture <10%
FLAMMABLE LIQUID - (CATEGORY 2) - H225
Acute Toxicity, Inhalation (Category 4),H332
SPECIFIC TARGET ORGAN TOXICITY-REPEAT EXPOSURE - (CATEGORY 2) - H373
Acute Aquatic Toxicity (Category 2), H401
AQUATIC (CHRONIC) - (CATEGORY 3) - H412

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

Cas# 108-88-3 Concentration % in Mixture <20%
ASPIRATION HAZARD - CATEGORY 1
FLAMMABLE LIQUIDS (CATEGORY 2),H225
CARCINOGENICITY - Category 1A
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
SKIN IRRITATION (CATEGORY 2),H315
REPRODUCTIVE TOXICITY (CATEGORY 2),H361
GERM CELL MUTAGENICITY-CATEGORY 1B
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

4 METHYL-2-PENTANONE

Cas# 108-10-1 Concentration % in Mixture <10%

OSHA HAZARDS:

FLAMMABLE LIQUID, CARCINOGEN, TARGET ORGAN EFFECT,IRRITANT

TARGET ORGANS: NERVES

OTHER HAZARDS THAT DO NOT RESULT IN CLASSIFICATION:

MAY FORM EXPLOSIVE PEROXIDES

GHS CLASSIFICATION:

FLAMMABLE LIQUIDS (CATEGORY 2)

ACUTE TOXICITY, ORAL (CATEGORY 5)

ACUTE TOXICITY, INHALATION (CATEGORY 4)

SKIN IRRITATION (CATEGORY 3)

EYE IRRITATION (CATEGORY 2A)

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE (CATEGORY 3), RESPIRATORY SYSTEM

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.

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)-Cyclohexanone

Cas#	108-94-1	Concentration % in Mixture	<5%
------	----------	----------------------------	-----

Flammable Liquids (Category 3), H226
Acute Toxicity, Oral (Category 4), H302
Acute Toxicity, Inhalation (Category 4), H332
Acute Toxicity, Dermal (Category 4), H312
Skin Irritation (Category 2), H315
Serious Eye Damage (Category 1), H318
SKIN CORROSION/IRRITATION - Category 2
Germ Cell Mutagenicity (Category 2), H341

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)-DIOCTYL PHTHALATE

Cas#	117-81-7	Concentration % in Mixture	<5%
------	----------	----------------------------	-----

CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION - CATEGORY 1B

COPOLYMER OF: VINYL CHLORIDE + VINYL ACETATE

Cas#	N/A	Concentration % in Mixture	<20%
------	-----	----------------------------	------

Hazard Statements: May Form combustible dust concentrations in the air

Section -4. FIRST-AID MEASURES

General: When in doubt or symptoms persist, seek medical attention. Have Safety Data Sheet information available. Never give anything by mouth to an unconscious person.
Inhalation: Remove to fresh air, if breathing has stopped, administer artificial respiration. Give nothing by mouth, seek immediate medical attention.
Eye contact: Irrigate with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical attention.
Skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleaners. Do NOT use aromatic solvents, thinners or petroleum products.
Ingestion: If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
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.

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.

Thermal decomposition will result in the release of irritating and toxic gases, vapors and fumes.

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.

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

- Hydrogen Chloride
- Oxides of Carbon and Nitrogen
- Incomplete Combustion Products
- Carbon Dioxide
- Toxic Fumes
- Unburned Hydrocarbons
- Carbon Monoxide
- Nitrogen Oxides
- Other Hazardous Materials
- Other Toxic Compounds
- Sulfur Oxides
- Carbon Oxides
- Soot
- Smoke

If exposed to hazardous decomposition products, symptoms may be delayed. Patient may require medical surveillance for up to 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.

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	OSHA PEL	ACGIH TLV
Butanone (Methyl Ethyl Ketone) MEK *	200 ppm	200 ppm
Xylene *	N/A	100 ppm
Toluene (Methyl Benzene) *	100 ppm	50 ppm
Methyl Isobutyl Ketone *	50 ppm	50 ppm
Cyclohexanone *	N/A	20 ppm
Ethyl Benzene *	100 ppm	20 ppm
Diocetyl Phthalate *	5mg/m ³	N/A
Copolymer of: Vinyl Chloride + Vinyl Acetate *	5mg/m ³	3mg/m ³

* 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

- | | |
|--|---|
| <ul style="list-style-type: none">• Physical state at: 68 ° F (20 ° C) Liquid• Flash point: 34 Deg. F Method: TCC• Specific gravity at: 68 ° F (20 ° C) 1.24 g/cm3• Vapor Density: N/A• Lower Explosive Limit-1.8• Upper Explosive Limit- 11.5• Miscibility in water at 20 ° C: NEGLIGIBLE | <ul style="list-style-type: none">• Ph : 8.5• Volatile % by volume: 80.0 %• Vapor pressure at: 68 ° F (20 ° C) 100 mm Hg• Color: WHITE• Appearance: LIQUID• Odor: Aromatic Odor• Boiling Point: 77-173 Deg. C |
|--|---|

10. STABILITY AND REACTIVITY

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

Thermal decomposition will result in the release of irritating and toxic gases, vapors and fumes.

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

- | | | |
|---|---|--|
| <ul style="list-style-type: none">• Hydrogen Chloride• Oxides of Carbon and Nitrogen• Incomplete Combustion Products• Carbon Dioxide• Toxic Fumes | <ul style="list-style-type: none">• Unburned Hydrocarbons• Carbon Monoxide• Nitrogen Oxides• Other Hazardous Materials• Other Toxic Compounds | <ul style="list-style-type: none">• Sulfur Oxides• Carbon Oxides• Soot• Smoke |
|---|---|--|

If exposed to hazardous decomposition products, symptoms may be delayed. Patient may require medical surveillance for up to 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 include headache, dizziness, fatigue, muscular weakness, drowsiness, 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 may cause irritation and damage.

ACUTE TOXICITY:

RESULT	SPECIES	PRODUCT	DOSE	EXPOSURE
Mixed Xylenes With Ethyl Benzene Blend				
Inhalation				
LD50 Oral	Rat		No End Point	-
Ingestion				
LD50 Oral	Rat		3523 mg/kg	-
Skin				
LD50 Dermal	Rabbit		>4200 mg/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.

Ethyl Benzene

Inhalation				
Lethality LC50	Rat	17.8 mg/l	4 Hours	
Ingestion				
Oral Lethality LD50	Rat	3.5 g/kg	-	

Cyclohexanone

Ingestion				
LD50 Oral	Rat	1534 mg/kg	-	
Skin				
LD50 Dermal	Rabbit	794-3160 mg/kg	-	
Inhalation				
LC50 Inhalation Vapor	Rat	>6.2 mg/l	4 Hours	

Diocetyl Phthalate

Ingestion				
LD50 Oral	Rat	>5000 mg/kg	-	
Skin				
LD50 Oral	Rabbit	>19000 mg/kg	-	
Inhalation				
No Data Available				

Methyl Isobutyl Ketone

Inhalation				
LC50	Rat	11.6 mg/l	4 Hours	

Butanone

Inhalation				
LC50 Inhalation Vapor	Rat	11243 ppm	4 Hours	
Ingestion				
LD50 ORAL	Rat	2737 mg/kg	-	
Skin				
LD50 Dermal	Rabbit	6480 mg/kg	-	

Skin Corrosion / Irritation:

Toluene - Irritating to Skin

Serious Eye Damage / Eye Irritation:

Toluene - Irritating to Eyes

Methyl Isobutyl Ketone - Irritating to Eyes

CARCINOGENICITY:

IARC	OSHA	PRODUCT	NTP	CAS#
1A	-	Toluene	-	108-88-3
2B	-	Ethyl Benzene	-	100-41-4
2B	-	Diethyl Phthalate	2	117-81-7
2B	-	Methyl Isobutyl Ketone	-	108-10-1

Specific Target Organ Toxicity - Single Exposure

Methyl Isobutyl Ketone - Respiratory System - Class 3

Butanone - Category 3

Aspiration Hazard:

Toluene

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.

ECOTOXICITY:

TEST	DURATION	PRODUCT	ORGANISM	RESULTS
		Mixed Xylenes		
Aquatic Acute Toxicity	24 Hours		Daphnia Magna	EC50 1 mg/l
Aquatic Acute Toxicity	96 hours		Oncorhynchus Mykiss	LC50 2.6 mg/l
Aquatic Acute Toxicity	73 hours		Pseudokirchneriella Subcapitata	NOEC .44 mg/l
Aquatic Acute Toxicity	73 hours		Pseudokirchneriella Subcapitata	ErC50 4.36 mg/l
Aquatic - Chronic Toxicity	21 days		Daphnia Magna	NOEC 1.57 mg/l
Aquatic - Chronic Toxicity	56 days		Oncorhynchus Mykiss	NOEC >1.3 mg/l
		Toluene		
Toxicity To Fish	96 Hours		Oncorhynchus Mykiss	LC50 5.5 mg/l
Toxicity To Fish	48 Hours		Ceriodaphnia dubia	LC50 3.78 mg/l
		Cyclohexanone		
Toxicity To Fish	96 Hours		Pimephales Promelas	LC50 481-578 mg/l
Toxicity To Fish (Mortality)	96 Hours		Pimephales Promelas	LC50 630 mg/l
Toxicity To Fish (Mortality)	96 Hours		Pimephales Promelas	LC50 696-770 mg/l
Toxicity To Fish (Mortality)	48 Hours		Carp	LC50 536 mg/l
Toxicity To Fish (Mortality)	48 Hours		Carp	LC50 752 mg/l
		Diethyl Phthalate		
Toxicity To Fish (Mortality)	96 Hours		Zebra Danio	LC50 >.32 mg/l
Toxicity To Fish (Mortality)	7.5 days		Micropterus Salmoides	LC50 39.6-51.1 mg/l
Toxicity To Fish (Mortality)	24 Hours		BlueGill	LC50 >770 mg/l
Toxicity To Fish (Mortality)	84 Hours		Micropterus Salmoides	LC50 59.2-71.9 mg/l
		Butanone		
Toxicity To Fish (Mortality)	96 Hours		Lepomis Macrochirus	LC50 1690 mg/l
Locomotor Effect-	48 Hours		Daphnia Magna	EC50 308 mg/l
Toxicity To Fish	96 Hours		Pimephales Promelas	LC50 2990 mg/l

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.

PERSISTANCE AND DEGRADABILITY:

TEST	PRODUCT PERIOD	RESULT
Photolysis Biodegradability	Mixed Xylenes	Half Life (t1/2) 1.09 28 days >70 % Degraded

PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW / LOG POW))

Mixed Xylenes - 3.12-3.16
Toluene - 2.73
Cyclohexanone - 0.81
Dioctyl Phthalate - 4.88
Butanone - .29

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.
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: § 172.101 HAZARDOUS MATERIALS TABLE

UN Number: 1263

Proper Shipping Name: Paint Related Material

Labels: Flammable Liquid

Hazard Class: 3 Subclass: NO

Packaging Group: II

Limited Quantity: Passenger aircraft: 10 Liter (2.64 Gallons)

Cargo aircraft only: 220 Liter (58 gallon)

Vessel stowage: A

ERG: 128

NMFC 4620 sub.5-CL.60

Schedule B # 3506.91.0000

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 : 355

Passenger aircraft: 60 Liter (16 gallon)

Cargo Air Packing Instruction : 366

Cargo aircraft only: 220 Liter (58 gallon)

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

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.

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
	Butanone(MEK)	78-93-3	<5%	Unknown
	Xylene	1330-20-7	<30%	Unknown
	Ethyl Benzene	100-41-4	<10%	Unknown
	Toluene	108-88-3	<20%	Unknown
	Cyclohexanone	108-94-1	<5%	Unknown
	Diocetyl Phthalate	117-81-7	<5%	Unknown
	Vinyl Acetate	108-05-4	<20%	Unknown
	Methyl Isobutyl Ketone	108-10-1	<10%	Unknown

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 (Developmental – Female)	Butanone	78-93-3	<5%	unknown
Massachusetts	Butanone	78-93-3	<5%	unknown
New Jersey	Butanone	78-93-3	<5%	unknown
Pennsylvania	Butanone	78-93-3	<5%	unknown
Rhode Island	Butanone	78-93-3	<5%	unknown
Illinois	Xylene	1330-20-7	<30%	unknown
Michigan	Xylene	1330-20-7	<30%	unknown
Minnesota	Xylene	1330-20-7	<30%	unknown
New Jersey	Xylene	1330-20-7	<30%	unknown
Pennsylvania	Xylene	1330-20-7	<30%	unknown
Rhode Island	Xylene	1330-20-7	<30%	unknown
California Proposition 65 (Developmental – Female)	Toluene	108-88-3	<20%	unknown
Massachusetts	Toluene	108-88-3	<20%	unknown
New Jersey	Toluene	108-88-3	<20%	unknown
Pennsylvania	Toluene	108-88-3	<20%	unknown
Rhode Island	Toluene	108-88-3	<20%	unknown
California Proposition 65 (Developmental – Female)	Methyl Isobutyl Ketone	108-10-1	<10%	unknown
Massachusetts	Methyl Isobutyl Ketone	108-10-1	<10%	unknown
New Jersey	Methyl Isobutyl Ketone	108-10-1	<10%	unknown
Pennsylvania	Methyl Isobutyl Ketone	108-10-1	<10%	unknown
Rhode Island	Methyl Isobutyl Ketone	108-10-1	<10%	unknown
California Proposition 65 (Developmental – Female)	Cyclohexanone	108-94-1	<5%	unknown
Massachusetts	Cyclohexanone	108-94-1	<5%	unknown
New Jersey	Cyclohexanone	108-94-1	<5%	unknown
Pennsylvania	Cyclohexanone	108-94-1	<5%	unknown
Rhode Island	Cyclohexanone	108-94-1	<5%	unknown

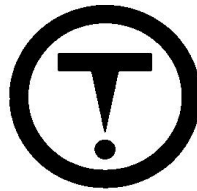
Continued on Next Page

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.

California Proposition 65 (Developmental – Female)	Diethyl Phthalate	117-81-7	<5%	unknown
Massachusetts	Diethyl Phthalate	117-81-7	<5%	unknown
New Jersey	Diethyl Phthalate	117-81-7	<5%	unknown
Pennsylvania	Diethyl Phthalate	117-81-7	<5%	unknown
Rhode Island	Diethyl Phthalate	117-81-7	<5%	unknown
California Proposition 65 (Developmental – Female)	Ethyl Benzene	100-41-4	<10%	unknown
Illinois	Ethyl Benzene	100-41-4	<10%	unknown
Minnesota	Ethyl Benzene	100-41-4	<10%	unknown
New Jersey	Ethyl Benzene	100-41-4	<10%	unknown
Pennsylvania	Ethyl Benzene	100-41-4	<10%	unknown
Rhode Island	Ethyl Benzene	100-41-4	<10%	unknown
California Proposition 65 (Developmental – Female)	Vinyl Acetate	108-05-4	<20%	unknown
Massachusetts	Vinyl Acetate	108-05-4	<20%	unknown
New Jersey	Vinyl Acetate	108-05-4	<20%	unknown
Pennsylvania	Vinyl Acetate	108-05-4	<20%	unknown
Rhode Island	Vinyl Acetate	108-05-4	<20%	unknown
California Proposition 65 (Developmental – Female)	Acetaldehyde	75-07-0	<20%	unknown
	Vinyl Chloride	75-01-4	<20%	unknown

Canada

Class B – Flammable
Butanone
Xylene
Methyl Benzene
Methyl Isobutyl Ketone
Cyclohexanone
Ethyl Benzene



Class D - Poisonous and Infectious
materials Division 2: Materials Causing
Other Toxic Effects D2A :
Butanone
Xylene
Methyl Benzene
Methyl Isobutyl Ketone
Cyclohexanone D2B
Diethyl Phthalate
Ethyl Benzene

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): Butanone 78-93-3, Xylene 1330-20-7, Methyl Benzene 108-88-3
Methyl Isobutyl Ketone 108-10-1, Cyclohexanone 108-94-1, Ethyl Benzene and Diethyl Phthalate 117-81-7

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.

16. OTHER INFORMATION



NFPA



HMIS

* Customer and / or end user is responsible for determining Personal Protection Equipment

Preparer:	Flamemaster / Compliance	Latest Revision Date: June 7, 2018	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