

GHS Label Elements, Including Precautionary Statements

Pictograms:



Signal Word: DANGER

HAZARD STATEMENTS:

H302 Harmful if swallowed

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H332 Harmful if inhaled

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H351 Suspected of Causing Cancer

H361d Suspected of Damaging the Unborn Child

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very Toxic to Aquatic life

H411 Toxic to Aquatic Life with Long Lasting Effects

REPRODUCTIVE TOXICITY, EFFECTS ON OR VIA LACTATION

In the event of sanding, grinding, or abrading:

H370 Causes damage to organs.

Suspected of Causing Cancer if dust is inhaled.

Full text of P statements associated to this compound:

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

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Section -3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical family : Mixture of organic compounds

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

<u>% BY WEIGHT IN PRODUCT-</u>	<u>HAZARDOUS INGREDIENT</u>	<u>CAS#-</u>
<10 % SUSPECTED OF CAUSING CANCER (BY INHALATION)- H351	ANTIMONY TRIOXIDE	1309-64-4
<10% May Form Combustible Dust	PROPRIETARY FLAME RETARDANT	N/A
<10% SUSPECTED OF DAMAGING THE UNBORN CHILD - H361d VERY TOXIC TO AQUATIC LIFE - H400 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS - H411	ZINC BORATE HYDRATE	138265-88-0
<10% SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY-REPEAT EXPOSURE -CATEGORY 2 SKIN AND RESPIRATORY SENSITIZATION - CATEGORY 1 CARCINOGENICITY - Category 2	CUSTER FELDSPAR	68476-25-5
<10% SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE - (RESPIRATORY TRACT IRRITATION) - CATEGORY 3 SPECIFIC TARGET ORGAN TOXICITY-REPEAT EXPOSURE -CATEGORY 3 CARCINOGENICITY - Category 1	TENNESSEE BALL CLAY	999999-99-4
<5% SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2b SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE - CATEGORY 3	MILLED GLASS FIBER	65997-17-3
<5% REPRODUCTIVE TOXICITY, EFFECTS ON OR VIA LACTATION AQUATIC (ACUTE) - CATEGORY 1 AQUATIC (CHRONIC) - CATEGORY 1	PAROIL 56 NR	63449-39-8

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HYDROXYETHYLCELLULOSE

<3%

N/A

MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR

QUARTZ

<5%

14808-60-7

Carcinogen -1a H350

STOT SE 3 - H335

STOT SE 1 - H370

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 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. 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:

- Obnoxious and Toxic Fumes
- Carbon Dioxide
- Nitrogen Oxides
- Irritating Gases and Vapors
- Hydrogen
- Hazardous Gases
- Carbon Monoxide
- Ammonia and Water
- 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.

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 contact/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

PROTECT FROM FREEZING

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
ANTIMONY TRIOXIDE	.5 mg/m ³	N/A
ZINC BORATE HYDRATE	5 mg/m ³	N/A
QUARTZ CRYSTAL	.1mg/m ³	.025mg/m ³
MILLED GLASS FIBER	5 mg/m ³	5 mg/m ³

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.

Environmental Exposure Controls: Emissions from workplace ventilation systems or work process equipment should be periodically checked to ensure compliance with local environmental laws.

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|--|---|
| <ul style="list-style-type: none">• Physical state at: 68 ° F (20 ° C) Liquid• Flash point: NONE (WATER BASE)• Specific gravity at: 68 ° F (20 ° C) 1.4 g/cm³• Vapor Density: WATER VAPOR• Lower Explosive Limit (% vol.): N/A• Upper Explosive Limit (% vol.): N/A• Miscibility in water at 20 ° C: miscible | <ul style="list-style-type: none">• Ph : 7.4•% Volatile by Volume: 31.0 %• Vapor pressure at: 68 ° F (20 ° C) WATER AT ROOM TEMPERATURE• Color: WHITE• Appearance: HEAVY BODIED PAINT• Odor: SLIGHT• Boiling Point: Unknown |
|--|---|

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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:

- Obnoxious and Toxic Fumes
- Carbon Dioxide
- Nitrogen Oxides
- Irritating Gases and Vapors
- Hydrogen
- Hazardous Gases
- Carbon Monoxide
- Ammonia and Water
- 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.

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 severe irritation and severe damage to the eyes.

TOXICOLOGICAL DATA:

RESULT	SPECIES	PRODUCT	DOSE	EXPOSURE
		ANTIMONY TRIOXIDE		
INHALATION	RAT		>5200 mg/L	-
ORAL	RAT		>2000mg/kg	-
DERMAL	RABBIT		>8300mg/kg	-
		PROPRIETARY FLAME RETARDANT		
ORAL LD50	RAT		>5000mg/kg	-
DERMAL LD50	RABBIT		>5000mg/kg	-
		QUARTZ CRYSTAL		
ORAL LD50	RAT		500mg/kg	-

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.

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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)

Environmental Effects: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

ECOTOXICITY:

TEST	DURATION	PRODUCT	ORGANISM	RESULTS
		ANTIMONY TRIOXIDE		
LC50	96HOURS		Fathead Minnow	14.4mg/L
EC50	48HOUR		Daphnia	1.77mg/L
		PROPRIETARY FLAME RETARDANT		
LC50	96HOUR		Fish	>10000mg/l
	48HOURS		Daphnia	>10000mg/l
		PAROIL 56		
LC50	96HOURS		Fish	1098.381 mg/l
LC50	96HOURS		Bluegill	>0.1 mg/l

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

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

14. TRANSPORT INFORMATION

DOT: Not regulated

UN Number: Not regulated

IATA: Not regulated

IMDG/IMO: Not regulated

NMFC: 4620 SUB.5 – CL.60

Schedule B # 3209.10.0000

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15. REGULATORY INFORMATION

US Regulations Federal

SARA 311 and 312:	Immediate	Delayed	Fire	Pressure	Reactivity
Tennessee Ball Clay	Y	Y	N	N	N
Proprietary Flame Retardant	N	N	Y	N	N
MicroGlass Milled Fiber	Y	N	N	N	N
Hydroxyethylcellulose	N	N	Y	N	N
Paroil 56	N	Y	N	N	N

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
	ZINC BORATE	138265-88-0	<10%	UNKNOWN

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

TSCA INVENTORY:

- Antimony Trioxide - Yes
- Proprietary Flame Retardant - Yes (SNUR)
- Fiber Glass: Yes
- Paroil 56 (Alkanes,C14,Chloro) (CAS#63449-39-8) : Yes
- Zinc Borate (CAS#1332-07-6) : Yes

STATE RIGHT TO KNOW LISTS:

- ANTIMONY TRIOXIDE: CA - MA - MN - NJ - PA - RI
- Tennessee Ball Clay: CA - NJ - PA
- Hydroxyethylcellulose: CA
- Paroil 56 (Alkanes,C14,Chloro) (CAS#63449-39-8) : CA - NJ - RI
- Quartz : CA - NJ - MA - PA
- Calcium Carbonate : NJ - MA

California Proposition 65 warning: This product contains materials known by the state of California to cause cancer, birth defects, and/or other reproductive harm.

16. OTHER INFORMATION

HEALTH 1
Chronic *
FLAMMABILITY 0
REACTIVITY 0

HMIS

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

Preparer:	Flamemaster / Compliance	Revision Date 10/12/2018	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