

Paintable Mist A4 Tanks

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Paintable Mist A4 Tanks I
SDS Number: MS 06-120,121-01
Product Code: 131396,131404
Revision Date: 11/11/2022
Version: 2
Product Type: Mold Release
Supplier Details: IMS Company Corp 10373
 Stafford Rd. Chagrin Falls, OH
 44023-5296
Phone: 1-440-543-1615
Emergency: Chemtel 1-800-255-3924

NOTE: The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We provide this information as guidance for providing personal protection to your employees. The user has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. The user must meet all applicable safety and health standards. We provide this information as guidance for providing personal protection to your employees.

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Gases Under Pressure, Compressed Gas
 Health, Skin corrosion/irritation, 2
 Health, Serious Eye Damage/Eye Irritation, 2 A
 Health, Germ cell mutagenicity, 2
 Health, Carcinogenicity, 1 B
 Health, Specific target organ toxicity - Single exposure, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H280 - Contains gas under pressure; may explode if heated
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H341 - Suspected of causing genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
 H350 - May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
 H371 - May cause damage to organs (or state all organs affected, if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P260 - Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
 P264 - Wash skin 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.

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P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
 P309 + P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 P321 - Specific treatment (see supplemental first aid instructions on this label).
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.
 P362 + P364 - Take off contaminated clothing and wash it before reuse.
 P405 - Store locked up.
 P410 + P403 - Protect from sunlight. Store in a well-ventilated place.
 P501 - Dispose of contents/container in accordance with local/regional regulations.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
79-01-6	40-60%	Trichloroethylene
811-97-2	40-60%	1,1,1,2-Tetrafluoroethane
68037-77-4	0.1-10%	Siloxanes and Silicones, Et Me, Me
124-38-9	1-5%	2-phenylpropyl Carbon dioxide

4 FIRST AID MEASURES

Inhalation: Remove exposed individual to fresh air, protecting yourself. Restore breathing if necessary. Contact a physician.

Skin Contact: Wash with soap and water. Remove any contaminated clothing and launder before reusing. If irritation persists, seek medical attention.

Eye Contact: Flush with warm water for 15 minutes. Seek medical attention.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

5 FIRE FIGHTING MEASURES

Flash Point: None

LEL: No Information

UEL: No Information

Suitable extinguishing media: Carbon dioxide (CO₂); Dry chemical; Alcohol resistant foam; Water fog.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire

Special hazards arising from the substance or mixture / Conditions of flammability:
 Flammable liquid and vapor. Product may ignite when exposed to heat, sparks and direct flame. Vapours are heavier than air and may spread along floors. Product may float, and be re-ignited at the water's surface. Toxic fumes, gases or vapours may evolve on burning. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Hazardous combustion products: Carbon oxides; Other unidentified organic compounds

Special protective equipment and precautions for firefighters:

Protective equipment for fire-fighters:
 Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in

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positive pressure mode.

Special fire-fighting procedures:

Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire-fighting to enter drains or water courses. Dike for water control.

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ACCIDENTAL RELEASE MEASURES

Spill or Leak Instructions

Contain spill with dikes of soil or nonflammable absorbent to minimize contaminated area. Avoid run-off into storm sewers and ditches leading to waterways. If required, notify state and local authorities. Place leaking containers in well-ventilated area. Clean up small spills by using a nonflammable absorbent or flushing sparingly with water. Contain larger spills with nonflammable diking or absorbent. Clean up by vacuuming or sweeping.

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Assess the spill situation, as the spill may not evolve large amounts of hazardous airborne contaminants in many outdoor spill situations. It may be advisable in some cases to simply monitor the situation until spilled product is removed.

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HANDLING AND STORAGE

Handling Precautions:

Handling: FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Precautions for safe handling: Persons with recurrent skin eczema or sensitization problems should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted. Use only outdoors or in a well-ventilated area. Wear suitable protective equipment during handling. Wear protective gloves and eye/face protection. Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks and open flame. - No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Use only non-sparking tools with this material. Take precautionary measures against static discharges. Always open containers slowly to allow any excess pressure to vent. Keep away from incompatibles. Keep containers tightly closed when not in use. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Empty containers may contain residues from the product. Treat empty containers with the same precautions as the material last contained. Do not cut, weld or apply heat to empty containers. Oil soaked rags may spontaneously combust; place in appropriate disposal container.

Storage Requirements:

Conditions for safe storage: Store in cool/well-ventilated place. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area. Oil soaked rags may spontaneously combust; place in appropriate disposal container.

Incompatible materials: Strong oxidizing agents; Strong acids

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ventilation and engineering measures: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof equipment. In case of insufficient ventilation wear suitable respiratory equipment.

Personal Protective Equipment:

Respiratory protection: If airborne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection Specialists.

Skin protection: Wear protective gloves. Wear as appropriate: Nitrile rubber; polyvinyl alcohol; Viton; Barrier; Responder. Unsuitable material Butyl rubber; Natural Rubber; Neoprene gloves; Polyvinylchloride. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the

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producers of the protective gloves.

Eye / face protection: Wear eye/face protection. Wear as appropriate: Tightly fitting safety goggles; Safety glasses with side shields.

Other protective equipment: Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations: Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing must not be allowed out of the workplace.

Other Suggested Equipment: Eye wash station and emergency showers should be available. Spill containment equipment should be available.

Discretion Advised: Chemical Solvents Inc. takes no responsibility for determining what measures are required for personal protection in any specific application. The general information should be used with discretion.

Trichloroethylene cas#:(79-01-6) [40-60%]

Components with workplace control parameters

TWA 50 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
270 mg/m³ 1910.1000
Skin notation

STEL 200 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
1,080 mg/m³ 1910.1000
Skin notation

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z2
Z37.19- 1967

CEIL 200 ppm USA. Occupational Exposure Limits (OSHA) - Table Z2
Z37.19- 1967

Peak 300 ppm USA. Occupational Exposure Limits (OSHA) - Table Z2
Z37.19- 1967

TWA 10 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment cognitive decrement Renal toxicity Suspected human
carcinogen

STEL 25 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment cognitive decrement Renal toxicity Suspected human
carcinogen
Potential Occupational Carcinogen See Appendix C See Appendix A

1,1,1,2-Tetrafluoroethane cas#:(811-97-2) [40-60%]

Components with workplace control parameters

TWA 1,000 ppm USA. Workplace Environmental
Exposure Levels (WEEL)

Carbon dioxide cas#:(124-38-9) [1-5%]

Components with workplace control parameters

TWA 5,000 ppm USA. ACGIH Threshold Limit Values (TLV)
Asphyxia

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STEL	30,000 ppm	USA. ACGIH Threshold Limit Values (TLV)
Asphyxia		
TWA	10,000 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
	18,000 mg/m3	1910.1000
Exposures under 10,000 ppm to be cited as de minimus.		
STEL	30,000 ppm	USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
	54,000 mg/m3	1910.1000
TWA	5,000 ppm	USA. Occupational Exposure Limits (OSHA) - Table Z- 1
	9,000 mg/m3	Limits for Air Contaminants
The value in mg/m3 is approximate.		
TWA	5,000 ppm	USA. NIOSH Recommended Exposure Limits
	9,000 mg/m3	
Normal constituent of air (about 300 ppm).		
ST	30,000 ppm	USA. NIOSH Recommended Exposure Limits
	54,000 mg/m3	
Normal constituent of air (about 300 ppm).		

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Mist	Solubility:	Negligible
Physical State:	Liquid	Freezing/Melting Pt.:	NA
Boiling Point:	NA	Flash Point:	NA
Flammability:	Flammable	Vapor Density:	>1 Air = 1
pH:	NA	Auto-Ignition Temp:	NA
Evap. Rate:	Ether = 1 Slower	UFL/LFL:	NA

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Heat, spark, and open flame.
Materials to Avoid:	Strong Oxidizing Agents.
Hazardous Decomposition:	May form carbon dioxide and carbon monoxide, Chlorine, hydrogen chloride, Phosgene, hydrocarbons.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Trichloroethylene cas#:(79-01-6) [40-60%]

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 4,920 mg/kg

Inhalation LC50 LC50 Inhalation - mouse - 4 h - 8450 ppm

Dermal LD50 LD50 Dermal - rabbit - > 20,000 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - Severe skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit - Eye irritation - 24 h

Respiratory or skin sensitization: no data available

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Germ cell mutagenicity: Laboratory experiments have shown mutagenic effects. In vitro tests showed mutagenic effects

Carcinogenicity:

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Possible human carcinogen

IARC: 2A - Group 2A: Probably carcinogenic to humans (Trichloroethylene)

NTP: Reasonably anticipated to be a human carcinogen (Trichloroethylene)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

May cause damage to organs.

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Exposure to and/or consumption of alcohol may increase toxic effects., Gastrointestinal disturbance, Kidney injury may occur., narcosis

Synergistic effects: no data available

Additional Information:

RTECS: KX4550000

1,1,1,2-Tetrafluoroethane cas#:(811-97-2) [40-60%]

Information on toxicological effects

Acute toxicity: no data available

LC50 Inhalation - rat - 4 h - 1,500,000 mg/m3

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Mild eye irritation

Respiratory or skin sensitisation: - guinea pig Result: Does not cause skin sensitisation.

Germ cell mutagenicity: Ames test S. typhimurium Result: negative

OECD Test Guideline 486 rat - male DNA repair DNA damage

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by

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OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KI8842500

May be harmful., Prolonged or repeated exposure to skin causes defatting and dermatitis.
Stomach - Irregularities - Based on Human Evidence

Carbon dioxide cas#:(124-38-9) [1-5%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.
Skin May cause severe frostbite. May be harmful if absorbed through skin. May cause skin

Eyes May cause eye irritation. Aggravated Acts as a simple asphyxiant by displacing air. , Medical Condition

Signs and Symptoms of Exposure: Nausea, Dizziness, Headache, Low to medium concentrations of carbon dioxide can., affect regulation of

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blood circulation, affect the acidity of body fluids, respiratory difficulties, At high concentrations:, Breathing difficulties, Increased pulse rate, change in body acidity, Very high concentrations can cause:, Unconsciousness, death

Synergistic effects: no data available

Additional Information:

RTECS: FF6400000

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ECOLOGICAL INFORMATION

Trichloroethylene cas#:(79-01-6) [40-60%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 41 mg/l - 96.0 h.

LOEC - other fish - 11 mg/l - 10.0 d

NOEC - Oryzias latipes - 40 mg/l - 10.0 d

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 18.00 mg/l - 48 h.

and other aquatic invertebrates

Toxicity to algae IC50 - Pseudokirchneriella subcapitata (green algae) - 175.00 mg/l - 96 h.

Persistence and degradability: Bioaccumulative potential:

Does not bioaccumulate.

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

1,1,1,2-Tetrafluoroethane cas#:(811-97-2) [40-60%]

Information on ecological effects

Toxicity:

Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - 450 mg/l - 96 h.

(Directive 67/548/EEC, Annex V, C.1.)

Toxicity to daphnia and static test EC50 - Daphnia magna (Water flea) - 980 mg/l - 48 h.

other aquatic (Directive 67/548/EEC, Annex V, C.2.) invertebrates

Toxicity to bacteria Growth inhibition EC50 - Pseudomonas putida - > 730 mg/l - 6 h.

Persistence and degradability: Biodegradability aerobic - Exposure time 28 d Result: 3 % - Not readily biodegradable. (OECD Test Guideline 301D)

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

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Carbon dioxide cas#:(124-38-9) [1-5%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Do not puncture or burn containers. Give empty, leaking, or full containers to disposal service equipped to handle and dispose of aerosol (pressurized) containers. Dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous by Federal definition. Note that this information applies to the material as manufactured; processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

Note that this handling and disposal information may also apply to empty containers, liners and rinsate. State or local regulations or restrictions are complex and may differ from federal regulations. This information is intended as an aid to proper handling and disposal; the final responsibility for handling and disposal is with the owner of the waste. See Section 9 - Physical and Chemical Properties.

14 TRANSPORT INFORMATION

Ground (US DOT) & Vessel
Compressed Gas NOS (Carbon Dioxide/
1,1,1,2-Tetrafluoroethane/Trichloroethylene)
Class 2.2 Non-flammable Gas,
UN 1956
ERG #12

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[40-60%] RQ(100LBS), Trichloroethylene (79-01-6) CERCLA, CSWHS, EPCRAWPC, GADSL, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, REACH, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

[40-60%] 1,1,1,2-Tetrafluoroethane (811-97-2) GADSL, TSCA

[0.1-10%] Siloxanes and Silicones, Et Me, Me 2-phenylpropyl (68037-77-4) TSCA

[1-5%] Carbon dioxide (124-38-9) MASS, OSHAWAC, PA, TSCA, TXAIR



WARNING

This product can expose you to chemicals including Trichloroethylene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

RQ = Reportable Quantity
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances

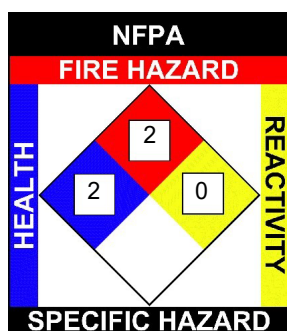
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EPCRAWPC = EPCRA Water Priority Chemicals
GADSL = Global Automotive Declarable Substance List (GADSL)
HAP = Hazardous Air Pollutants
HWRCRA = RCRA Hazardous Wastes
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
REACH = REACH List of Substances of Very High Concern (RSL)
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

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OTHER INFORMATION

NFPA: Health = 2, Fire = 2, Reactivity = 0, Specific Hazard = n/a



Note:

For industrial use only. The information contained herein is accurate to the best of our knowledge. We do not suggest or guarantee that any hazards listed herein are the only ones which exist. We make no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances. Effects can be aggravated by other materials and/or this material may aggravate or add to the effects of other materials. This material may be released from gas, liquid, or solid materials made directly or indirectly from it. User has the sole responsibility to determine the suitability of the materials for any use and the manner of use contemplated. User must meet all applicable safety and health standards. Possession of an SDS does not indicate that the possessor of the SDS was a purchaser or user of the subject product.

Revision Date: 11/11/2022