

United UV GRP

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	• Impregnated Cured-in-Place (CIPP)
Chemical Name	• Unsaturated Polyester Resin Impregnated Felt
Trade Name	• United UV GRP
Product Use	• Cured-in-Place Pipe
Company	• United Felts, 450 College Drive, Martinsville, VA 24112
Company Contact	• Mark Chandler
Company Phone	• 276-656-1904
Emergency	• 276-656-1904

2. HAZARDS IDENTIFICATION

<i>Hazard Identification</i>	<p>Prepared in accordance with UN Globally Harmonized standards. Intended to comply with OSHA 29 CFR 1910.1200, Canadian WHMIS, Australian Work Health and Safety and GHS Standards, and EU Directives.</p> <p>DANGER! FLAMMABLE SOLID. HARMFUL IF INHALED. CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. SUSPECTED OF DAMAGING THE UNBORN CHILD. SUSPECTED OF CAUSING CANCER. MAY CAUSE RESPIRATORY IRRITATION. CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.</p> <p>Classification: Flam. Sol. 1, Acute Tox. (inh.) 4, Skin Irrit. 2, Eye Irrit. 2A, Carc. 2, Repro. 361d, STOT SE 3, STOT RE 1, Asp. 1</p>																
<i>Hazard Statement(s)</i>	<table border="1"> <tr> <td><i>H228</i></td> <td>• Flammable solid.</td> </tr> <tr> <td><i>H332</i></td> <td>• Harmful if inhaled.</td> </tr> <tr> <td><i>H315</i></td> <td>• Causes skin irritation.</td> </tr> <tr> <td><i>H319</i></td> <td>• Causes serious eye irritation.</td> </tr> <tr> <td><i>H361d</i></td> <td>• Suspected of damaging the unborn child.</td> </tr> <tr> <td><i>H351</i></td> <td>• Suspected of causing cancer.</td> </tr> <tr> <td><i>H335</i></td> <td>• May cause respiratory irritation.</td> </tr> <tr> <td><i>H372</i></td> <td>• Causes damage to organs through prolonged or repeated exposure.</td> </tr> </table>	<i>H228</i>	• Flammable solid.	<i>H332</i>	• Harmful if inhaled.	<i>H315</i>	• Causes skin irritation.	<i>H319</i>	• Causes serious eye irritation.	<i>H361d</i>	• Suspected of damaging the unborn child.	<i>H351</i>	• Suspected of causing cancer.	<i>H335</i>	• May cause respiratory irritation.	<i>H372</i>	• Causes damage to organs through prolonged or repeated exposure.
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2. HAZARDS IDENTIFICATION (CONTINUED)

<i>Precautionary Statement(s)</i>	P201	<ul style="list-style-type: none"> Obtain special instructions before use.
	P202	<ul style="list-style-type: none"> Do not handle until all safety precautions have been read and understood.
	P280	<ul style="list-style-type: none"> Wear protective gloves/protective clothing/eye protection/face protection.
	P210	<ul style="list-style-type: none"> Keep away from heat, sparks and hot surfaces. No smoking.
	P233	<ul style="list-style-type: none"> Keep container tightly closed.
	P240	<ul style="list-style-type: none"> Ground/bond container and receiving equipment.
	P241	<ul style="list-style-type: none"> Use explosionproof electrical/ventilating/lighting/material-handling equipment.
	P242	<ul style="list-style-type: none"> Use only non-sparking tools.
	P243	<ul style="list-style-type: none"> Take precautionary measures against static discharge.
	P260	<ul style="list-style-type: none"> Do not breathe vapor or mist.
	P264	<ul style="list-style-type: none"> Wash hands thoroughly after handling.
	P270	<ul style="list-style-type: none"> Do not eat, drink or smoke when using this product.
	P271	<ul style="list-style-type: none"> Use only outdoors or in a well-ventilated area.
	P314	<ul style="list-style-type: none"> Get medical attention if you feel unwell.
	P301+P310	<ul style="list-style-type: none"> IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P304+P340	<ul style="list-style-type: none"> IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
	P303+P361+P353	<ul style="list-style-type: none"> IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P305+P351+P338	<ul style="list-style-type: none"> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313	<ul style="list-style-type: none"> IF exposed or concerned: Get medical attention.
	P312	<ul style="list-style-type: none"> Call a POISON CENTER or physician if you feel unwell.
	P331	<ul style="list-style-type: none"> Do NOT induce vomiting.
	P332+P313	<ul style="list-style-type: none"> If skin irritation occurs: Get medical attention.
	P337+P313	<ul style="list-style-type: none"> If eye irritation persists: Get medical attention.
	P362+P364	<ul style="list-style-type: none"> Take off contaminated clothing and wash it before reuse.
P370+P378	<ul style="list-style-type: none"> In case of fire: Use dry chemical, CO₂, water spray (fog) or foam. 	
P405	<ul style="list-style-type: none"> Store locked up. 	
P403+P235	<ul style="list-style-type: none"> Store in a well-ventilated place. Keep cool. 	
P501	<ul style="list-style-type: none"> Dispose of contents and container in accordance with all local, regional, national and international regulations. 	
<i>Other Warnings</i>	<ul style="list-style-type: none"> KEEP AWAY FROM SOURCES OF HEAT AND DIRECT SUNLIGHT. WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer, and Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. 	



3. COMPOSITION/INFORMATION ON INGREDIENTS					EXPOSURE LIMITS IN AIR (mg/m ³)								
					ACGIH ppm		NOHSC ppm			OSHA ppm			OTHER
Chemical Name	Cas #	RTECS No.	EINECS No.	%	TLV	STEL	ESTWA	ESSTEL	ESPEAK	PEL	STEL	IDLH	
FELT SUBSTRATE	Na	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
STYRENE	100-42-5	WL3675000	202-851-5	20-50	20	40	(50)	213	NF	100	100	700	NIOSH 50
Flam. Liq. 3; Acute Tox. 4 *; Eye Irrit. 2; Skin Irrit. 2; H226, H332, H319, H315													
COBALT BIS(2-ETHYL HEXANOATE)	136-52-7	NA	205-250-6	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
Skin Sens. 1A, Eye Irrit. 2A, Repr. 1B, Aq. Acute 1, Aq. Chronic 3													
PROPRIETARY INGREDIENTS	NA	NA	NA	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURE

<i>First Aid</i>	<ul style="list-style-type: none"> • Ingestion: Contact Emergency (Domestic Shipments and to Canada: 1-800-633-8253, International Shipments: 1-801-629-0667) or the nearest Poison Control Center number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. • Eyes: Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention. • Skin: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned. • Inhalation: Remove victim to fresh air at once. If breathing is difficult, administer supplemental oxygen and seek immediate medical attention. If breathing stops, perform artificial respiration.
<i>Effects of Exposure</i>	<ul style="list-style-type: none"> • Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. • Eyes: Causes serious eye irritation. • Skin: Causes skin irritation. • Inhalation: Exposure may cause respiratory tract irritation in some sensitive individuals.
<i>Symptoms of Overexposure</i>	<ul style="list-style-type: none"> • Ingestion: Adverse symptoms may include the following: Irritating to mouth, throat and stomach. • Skin: Prolonged contact with skin may result in bleaching and irritation of skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. • Eyes: Overexposure in eyes may cause redness, itching and watering (risk of serious damage to eyes). Contact may cause serious eye irritation including stinging, watering, redness. • Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing.
<i>Acute Health Effects</i>	<ul style="list-style-type: none"> • Severe irritation to eyes. Moderate irritation to skin near affected areas. Acute health hazards may be delayed. Most common symptoms include irritating properties to eyes, respiratory system and skin.
<i>Chronic Health Effects</i>	<ul style="list-style-type: none"> • These ingredients may be irritating to skin and mucous membrane of the eye and respiratory system. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis.

4. FIRST AID MEASURE (CONTINUED)

<i>Target Organs</i>	<ul style="list-style-type: none"> • Eyes • Skin
<i>Medical Conditions Aggravated by Exposure</i>	<ul style="list-style-type: none"> • Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Preexisting dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system) or impaired kidney function may be more susceptible to the effects of this substance. • Health - 1 • Flamability - 3 • Physical Hazards - 0 • Protective Equipment - B

5. FIRE FIGHTING MEASURES

<i>Fire & Explosion Hazards</i>	<ul style="list-style-type: none"> • DANGER! FLAMMABLE SOLID. • In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. If involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO₂, NO_x).
<i>Extinguishing Methods</i>	<ul style="list-style-type: none"> • Water Fog, CO₂, Halon (if permitted), Dry Chemical, Foam. Do not use water jet.
<i>Firefighting Procedures</i>	<ul style="list-style-type: none"> • Fight fires as for surrounding materials. Fire-fighters should wear appropriate protective equipment including protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Cool containers with water spray to prevent pressure build-up, auto-ignition or explosion. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway.

6. ACCIDENTAL RELEASE MEASURES

<i>Spills</i>	<ul style="list-style-type: none"> • No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapors or fumes. Provide adequate ventilation. • Emergency Responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. • Small Spill: Wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows. Place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. • Large Spill: Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Collect and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.
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7. HANDLING AND STORAGE

<i>Work & Hygiene Practices</i>	<ul style="list-style-type: none"> Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
<i>Storage & Handling</i>	<ul style="list-style-type: none"> Keep away from sources of heat and direct sunlight.
<i>Special Precautions</i>	<ul style="list-style-type: none"> Refer to the product label and/or technical data sheet for further information. Keep container closed when not in use. Keep this and all chemicals out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH

NOHSC


Exposure Limits: ppm (mg/m³)

Chemical Name	TLV	STEL	ESTWA	ESSTEL	ESPEAK	PEL	STEL	IDLH	OTHER
STYRENE	20	40	(50)	213	NF	100	100	700	NIOSH 50

	<ul style="list-style-type: none"> WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer, and Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
<i>Ventilation & Engineering Controls</i>	<ul style="list-style-type: none"> Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
<i>Respiratory Protection</i>	<ul style="list-style-type: none"> Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.
<i>Eye Protection</i>	<ul style="list-style-type: none"> AVOID EYE CONTACT DUE TO IRRITATION POTENTIAL. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to mists or vapors. Depending on the use of this product, splash or safety glasses may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, Canadian standards, or the European Standard EN166.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

<i>Hand Protection</i>	<ul style="list-style-type: none"> Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states. 
<i>Body Protection</i>	<ul style="list-style-type: none"> No special body protection is required under typical circumstances of use and handling. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If necessary, refer to appropriate standards of Canada, the E.C. member states, or U.S. OSHA.

9. PHYSICAL & CHEMICAL PROPERTIES

<i>Appearance</i>	<ul style="list-style-type: none"> Cloth
<i>Odor</i>	<ul style="list-style-type: none"> Aromatic odor
<i>Odor Threshold</i>	<ul style="list-style-type: none"> 0.01 - 0.1 ppm, styrene
<i>pH</i>	<ul style="list-style-type: none"> NA
<i>Melting Point/Freezing Point</i>	<ul style="list-style-type: none"> 83.8°F (30.6°C), styrene
<i>Initial Boiling Point/Boiling Range</i>	<ul style="list-style-type: none"> 293°F (145°C), styrene
<i>Flashpoint</i>	<ul style="list-style-type: none"> 88°F (31°C), styrene
<i>Lower Flammability Limits Upper Flammability Limits</i>	<ul style="list-style-type: none"> LEL: 1.1%; UEL: 6.1%, styrene
<i>Vapor Pressure</i>	<ul style="list-style-type: none"> 5.0 mm Hg @ 68°F (20°C), styrene
<i>Vapor Density</i>	<ul style="list-style-type: none"> 3.6 (Air = 1), styrene
<i>Relative Density</i>	<ul style="list-style-type: none"> 1.1 (water = 1)
<i>Solubility</i>	<ul style="list-style-type: none"> Slight
<i>Partition Coefficient (log Pow)</i>	<ul style="list-style-type: none"> NA
<i>Autoignition Temperature</i>	<ul style="list-style-type: none"> 914°F (490°C), styrene
<i>Decomposition Temperature</i>	<ul style="list-style-type: none"> NA
<i>Viscosity</i>	<ul style="list-style-type: none"> NA
<i>Other Information</i>	<ul style="list-style-type: none"> NA

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

<i>Stability</i>	<ul style="list-style-type: none"> The product is stable. Stable under recommended storage and handling conditions.
<i>Hazardous Decomposition Products</i>	<ul style="list-style-type: none"> Under normal conditions of storage and use, hazardous decomposition products should not be produced. However, if involved in a fire, oxides of carbon (CO, CO₂) and nitrogen (NO_x).
<i>Hazardous Polymerization</i>	<ul style="list-style-type: none"> Under normal conditions of storage and use, hazardous reactions will not occur.
<i>Conditions to Avoid</i>	<ul style="list-style-type: none"> Strong oxidizers
<i>Incompatible Substances</i>	<ul style="list-style-type: none"> Reactive or incompatible with the following materials: oxidizing materials.

11. TOXICOLOGICAL INFORMATION

<i>Toxicity Data</i>	<ul style="list-style-type: none"> This product has not been tested on animals to obtain toxicological data. There are toxicology data for some of the components of this product, and are presented below: Styrene: LC50 (inh, rat, 4h) 2770 mg/L; LD50 (oral, rat) 2650 mg/kg. Cobalt bis-(2-Ethylhexanoate): LD50 (oral, rat) 2650 mg/kg.
<i>Acute Toxicity</i>	<ul style="list-style-type: none"> See section 4
<i>Chronic Toxicity</i>	<ul style="list-style-type: none"> See section 4
<i>Suspected Carcinogen</i>	<ul style="list-style-type: none"> This product contains Styrene and Cobalt bis-(2-Ethylhexanoate which are reasonably anticipated to be a human carcinogen (IARC 2B). Styrene induced pulmonary toxicity and carcinogenicity in mice was shown to be caused by a metabolite of styrene, probably styrene oxide. (Dec.2001 Toxicology Vol.169 Issue 2). WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer, and Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
<i>Reproductive Toxicity</i>	<ul style="list-style-type: none"> Suspected of damaging the unborn child.
<i>Mutagenicity</i>	<ul style="list-style-type: none"> Irritant to the eyes. Corrosive to Eyes
<i>Embryotoxicity</i>	<ul style="list-style-type: none"> This product is not reported to cause embryotoxic effects in humans.
<i>Teratogenicity</i>	<ul style="list-style-type: none"> This product is not reported to cause teratogenic effects in humans.
<i>Reproductive Toxicity</i>	<ul style="list-style-type: none"> Suspected of damaging the unborn child.
<i>Irritancy of Product:</i>	<ul style="list-style-type: none"> See section 4
<i>Biological Exposure Indices</i>	<ul style="list-style-type: none"> NA
<i>Physician Recommendations</i>	<ul style="list-style-type: none"> Treat symptomatically.


12. ECOLOGICAL INFORMATION

<i>Environmental Stability</i>	<ul style="list-style-type: none"> Bioaccumulative Potential: Styrene: BCF: 13.49; LogPow: 0.35
<i>Effects on Plants & Animals</i>	<ul style="list-style-type: none"> There are no specific data available for this product.
<i>Effects on Aquatic Life</i>	<ul style="list-style-type: none"> There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

13. DISPOSAL CONSIDERATIONS

<i>Waste Disposal</i>	<ul style="list-style-type: none"> Dispose of in accordance with federal, state and local regulations. The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid disposal. Attempt to use product completely in accordance with intended use. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
<i>Special Considerations</i>	<ul style="list-style-type: none"> U.S. EPA Waste Number: D001 (characteristic - ignitable)


14. TRANSPORT INFORMATION

	<ul style="list-style-type: none"> The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
<i>49 CFR (GND)</i>	<ul style="list-style-type: none"> UN3175, SOLIDS, CONTAINING FLAMMABLE LIQUIDS, N.O.S. (styrene), 4.1, II
<i>IATA (AIR)</i>	<ul style="list-style-type: none"> UN3175, SOLIDS, CONTAINING FLAMMABLE LIQUIDS, N.O.S. (styrene), 4.1, II
<i>IMDG (OCN)</i>	<ul style="list-style-type: none"> UN3175, SOLIDS, CONTAINING FLAMMABLE LIQUIDS, N.O.S. (styrene), 4.1, II
<i>TDGR (Canadian GND)</i>	<ul style="list-style-type: none"> UN3175, SOLIDS, CONTAINING FLAMMABLE LIQUIDS, N.O.S. (styrene), 4.1, II
<i>ADR/RID (EU)</i>	<ul style="list-style-type: none"> UN3175, SOLIDS, CONTAINING FLAMMABLE LIQUIDS, N.O.S. (styrene), 4.1, II
<i>SCT (MEXICO)</i>	<ul style="list-style-type: none"> UN3175, SOLIDOS, CONTIENE LIQUIDOS INFLAMABLES, N.E.P. (styreno), 4.1, II
<i>ADGR (AUS)</i>	<ul style="list-style-type: none"> UN3175, SOLIDS, CONTAINING FLAMMABLE LIQUIDS, N.O.S. (styrene), 4.1, II

15. REGULATORY INFORMATION

<i>SARA Reporting Requirements</i>	<ul style="list-style-type: none"> This product contains Styrene, a substance subject to SARA Title III, section 313 reporting requirements.
<i>SARA TPQ</i>	<ul style="list-style-type: none"> There are no specific Threshold Planning Quantities for the components of this product.
<i>TSCA Inventory Status</i>	<ul style="list-style-type: none"> The components of this product are listed on the TSCA Inventory.
<i>CERCLA Reportable Quantity</i>	<ul style="list-style-type: none"> NA
<i>Other Federal Requirements</i>	<ul style="list-style-type: none"> NA

15. REGULATORY INFORMATION (CONTINUED)

<p><i>Other Canadian Regulations</i></p>	<ul style="list-style-type: none"> This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS B4, D2B (Flammable Solid, Other Toxic Effects). <div data-bbox="492 445 750 569" style="text-align: center;">  </div>
<p><i>State Regulatory Information</i></p>	<ul style="list-style-type: none"> Styrene is found on the following state criteria lists: California Proposition 65 (CA65), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
<p><i>Other Requirements</i></p>	<ul style="list-style-type: none"> This product is found on the following inventory lists: Australia - AICS, China - IECSC, Europe - ELINCS/EINEC, Japan - ENCS; Korea - KECI; New Zealand - NZIoC; Philippines - PICCS; USA - TSCA

16. OTHER INFORMATION

<p><i>Other Information</i></p>	<p>DANGER! FLAMMABLE SOLID. HARMFUL IF INHALED. CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. SUSPECTED OF DAMAGING THE UNBORN CHILD. SUSPECTED OF CAUSING CANCER. MAY CAUSE RESPIRATORY IRRITATION. CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.</p> <p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat, sparks and hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/material handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor or mist. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. case of fire: Use dry chemical, CO₂, water spray (fog) or foam. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Dispose of contents and container in accordance with all local, regional, national and international regulations. KEEP AWAY FROM SOURCES OF HEAT AND DIRECT SUNLIGHT.</p> <p>WARNING: This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer, and Methanol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.</p>
<p><i>Terms & Definitions</i></p>	<p>See last page of this Safety Data Sheet.</p>
<p><i>Disclaimer</i></p>	<p>This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Ferratex Solutions, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.</p>
<p><i>Prepared for</i></p>	<ul style="list-style-type: none"> • Vortex Products, 564 W. 9320 S., Sandy, UT 84070
<p><i>Prepared by</i></p>	<ul style="list-style-type: none"> • ShipMate, Inc., P.O. Box 787, Sisters, Oregon 97759-0787 USA • Tel: +1 (310) 370-3600 • Fax: +1 (310) 370-5700 • https://shipmate.com/

DEFINITION OF TERMS

	A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:
<i>GENERAL INFORMATION</i>	<ul style="list-style-type: none"> • CAS No. - Chemical Abstract Service Number • RTECS No. - Registry of Toxic Effects of Chemical Substances Number • EINECS No. - European Inventory of Existing Commercial Chemical Substances Number
<i>EXPOSURE LIMITS IN AIR</i>	<ul style="list-style-type: none"> • ACGIH - American Conference on Governmental Industrial Hygienists • IDLH - Immediately Dangerous to Life and Health • NOHSC - National Occupational Health and Safety Commission (Australia) • OSHA - U.S. Occupational Safety and Health Administration • PEL - Permissible Exposure Limit • STEL - Short Term Exposure Limit • TLV - Threshold Limit Value • TWA - Time Weighted Average
<i>FIRST AID MEASURES</i>	<ul style="list-style-type: none"> • CPR - Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
<i>HAZARDOUS MATERIALS IDENTIFICATION SYSTEM</i>	<ul style="list-style-type: none"> • HMIS
<i>HEALTH, FLAMMABILITY & REACTIVITY RATINGS</i>	<ul style="list-style-type: none"> • 0 - Minimal Hazard HEALTH • 1 - Slight Hazard FLAMMABILITY • 2 - Moderate Hazard PHYSICAL HAZARDS • 3 - Severe Hazard PERSONAL PROTECTION • 4 - Extreme Hazard
<i>OTHER STANDARD ABBREVIATIONS</i>	<ul style="list-style-type: none"> • Carc - Carcinogenic • Irrit - Irritant • NA - Not Available • NR - No Results • ND - Not Determined • NE - Not Established • NF - Not Found • SCBA - Self-Contained Breathing Apparatus • Sens - Sensitization • STOT RE - Specific Target Organ Toxicity - Repeat Exposure • STOT SE - Specific Target Organ Toxicity - Single Exposure
<i>NATIONAL FIRE PROTECTION ASSOCIATION</i>	<ul style="list-style-type: none"> • NFPA
<i>FLAMMABILITY LIMITS IN AIR</i>	<ul style="list-style-type: none"> • Autoignition Temperature - Minimum temperature required to initiate combustion in air with no other source of ignition • LEL - Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source • UEL - Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

DEFINITION OF TERMS (CONTINUED)

<p>HAZARD RATINGS</p>	<ul style="list-style-type: none"> • 1 - Slight Hazard • 2 - Moderate Hazard • 3 - Severe Hazard • 4 - Extreme Hazard • ACD - Acidic • ALK - Alkaline • COR - Corrosive • W - Use No Water • OX - Oxidizer • TREFOIL - Radioactive
<p>TOXICOLOGICAL INFORMATION</p>	<ul style="list-style-type: none"> • LD50 - Lethal Dose (solids & liquids) which kills 50% of the exposed animals • LC50 - Lethal concentration (gases) which kills 50% of the exposed animal • ppm - Concentration expressed in parts of material per million parts • TDlo - Lowest dose to cause a symptom • TCLo - Lowest concentration to cause a symptom • TDlo, LDlo, & LDo or TC, TCo, LClo, & LCo - Lowest dose (or concentration) to cause lethal or toxic effects • IARC - International Agency for Research on Cancer • NTP - National Toxicology Program • RTECS - Registry of Toxic Effects of Chemical Substances • BCF - Bioconcentration Factor • TLm - Median threshold limit • log KOW or log KOC - Coefficient of Oil/Water Distribution
<p>REGULATORY INFORMATION</p>	<ul style="list-style-type: none"> • WHMIS - Canadian Workplace Hazardous Material Information System • DOT - U.S. Department of Transportation • TC - Transport Canada • EPA - U.S. Environmental Protection Agency • DSL - Canadian Domestic Substance List • NDSL - Canadian Non-Domestic Substance List • PSL - Canadian Priority Substances List • TSCA - U.S. Toxic Substance Control Act • EU - European Union (European Union Directive 67/548/EEC) • WGK - Wassergefährdungsklassen (German Water Hazard Class)
<p>WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <ul style="list-style-type: none"> • Class B - Flammable </div> <div style="text-align: center;">  <ul style="list-style-type: none"> • Class D2 - Irritation </div> </div>
<p>CLP/GHS (1272/2008/EC) PICTOGRAMS</p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <ul style="list-style-type: none"> • GHS02 - Flammable </div> <div style="text-align: center;">  <ul style="list-style-type: none"> • GHS08 - Health Hazard </div> <div style="text-align: center;">  <ul style="list-style-type: none"> • GHS07 - Harmful Irritating </div> </div>