

Material Safety Data Sheet

Material Name: Field Weld Kit

ID: AMER-021

The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

*** Section 1 - Chemical Product and Company Identification ***

Part Number: NA

Chemical Name: Promoted Polyester or Vinylester Resins / MEKP / Fiberglass

Product Use: Join fiberglass pipe together

Synonyms: Butt Wrap Kit, Termination Kit

Manufacturer Information

Ameron International Fiberglass Pipe
Division of the Americas
1004 Ameron Road
P. O. Box 878
Burkburnett, TX 76354

Phone #: (940) 569-1471
Fax #: (940) 569-2764
Chemtrec 24 hr Emergency #: (800) 424-9300

*** Section 2 - Composition / Information on Ingredients ***

Resin

CAS#	Components	Percent
036425-15-7	Vinylester or	40 to 70
Trade secret	Polyester Resin	52 to 57
100-42-5	Styrene	45
8052-41-3	Mineral Spirits containing Cobalt Compounds	0.2

MEKP

CAS#	Components	Percent
1338-23-4	Methyl Ethyl Ketone Peroxide structures account for <=9% Active Oxygen	36 to 40
131-11-3	Dimethyl phthalate	58 to 66
78-93-3	Methyl ethyl Ketone	.1 to 1.0
7722-84-1	Hydrogen peroxide	.1 to 1.5

Fiberglass

CAS#	Components	Percent
None	Fibrous Glass (E-type, continuous filament)	~97.5
None	Surface sizing (complex polymer mixture)	~2.5

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

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Emergency Overview

Resin: Clear white to amber colored liquid, with strong sweet odor that can become quite strong. Very flammable with flash point 80 -90 degrees F.

MEKP: Skin contact and inhalation are expected to be the primary routes of occupational exposure.

Fiberglass: Stable and nonflammable under normal industrial conditions.

Hazard Statements

Resin: WARNING! Unstable reactive, flammable liquid. Toxic by inhalation. Moderate skin irritant. Moderate eye irritant. Carcinogen.

MEKP: WARNING! May be harmful or fatal if swallowed. May cause allergic skin reaction. May be irritating or corrosive to the skin and/or eyes. Combustible liquid. Oxidizing material.

Fiberglass: May cause skin and respiratory tract irritation.

Potential Health Effects: Eyes

Resin: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

MEKP: Contact with the eyes can cause severe irritation and injury, possibly loss of sight.

Fiber Glass: Can cause mechanical eye irritation.

Potential Health Effects: Skin

Resin: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

MEKP: Can be destructive to tissue, producing burns on contact with any body tissues. Allergic skin response is rare, but has been reported for MEKP.

Fiber Glass: Typically, skin irritation experienced by most persons newly exposed to fiberglass.

Potential Health Effects: Ingestion

Resin: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

MEKP: While swallowing of MEKP is unlikely, if swallowed this material can cause severe irritation and injury to the mouth, throat, stomach and liver. Liver failure and respiratory distress; death may follow. This material is considered on the basis of single exposure (acute) animal tests, to be moderately toxic after ingestion.

Fiber Glass: Can be a mechanical throat irritant.

Potential Health Effects: Inhalation

Resin: Breathing of vapor or mist is possible. Breathing aerosol and / or mist is possible when material is sprayed. Aerosol and mist may present a greater risk of injury because more material may be present in the air than from vapor alone. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits of 100 ppm STEL or 50 ppm TWA.

MEKP: Overexposure to MEKP vapors may cause eye and respiratory tract irritation, with headache and dizziness.

Fiber Glass: Inhalation is primary route of entry. Can cause rash, itching, conjunctivitis, coughing, and sneezing.

HMIS RATINGS:

Resin:

Health: 2 Fire: 3 Reactivity: 1 Pers. Prot.:

MEKP:

Health: 3 Fire: 2 Reactivity: 2 Pers. Prot.:

Fiber Glass:

Health: 1 Fire: 0 Reactivity: 0 Pers. Prot.:

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Resin: Flush with large amounts of water, lifting upper and lower lids occasionally for at least 15 minutes, get medical attention.

MEKP: Flush with large amounts of water, lifting upper and lower lids occasionally for 30 minutes, get medical attention.

Fiber Glass: Flush with large amounts of water, lifting upper and lower lids occasionally for at least 15 minutes, get medical attention.

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First Aid: Skin

Resin: Wash off in flowing water or shower.

MEKP: Flush with soap and water. Get medical attention.

Fiber Glass: Rinse contact areas with room temperature to cool water, then wash gently with mild soap. If glass fiber becomes embedded, seek medical attention.

First Aid: Ingestion

Resin: Do not induce vomiting. Call a physician and/ or transport to emergency facility immediately.

MEKP: Take large quantities of milk or water and immediately call a physician. For aid to physician suggest Poison Control Center.

Fiber Glass: If swallowed, seek medical attention.

First Aid: Inhalation

Resin: Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

MEKP: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Fiber Glass: If irritation persists, seek medical attention.

First Aid: Notes to Physician

Resin: If burn is present, treat as any thermal burn, after decontamination. Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

MEKP: Suggest calling poison control center

Fiber Glass: NA

*** Section 5 - Fire Fighting Measures ***

Resin:

Flash Point: 74 – 84°F

Upper Flammable Limit (UFL): 6.8% (Styrene)

Auto Ignition: 914°F

Method Used: ASTM - D93; PMCC

Lower Flammable Limit (LFL): 0.9% (styrene)

Flammability Classification: Flammable

General Fire Hazards:

The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and / or irritating compounds. Hazardous combustion products may include carbon dioxide, carbon monoxide.

Extinguishing Media:

Water fog or fine spray, carbon dioxide, dry chemical. General-purpose synthetic foams (AFFF type) or protein foams are preferred. **Do not use direct water stream.**

Fire Fighting Equipment/Instructions:

Keep people away. Isolate fire area and deny unnecessary entry. Water fog, applied gently may be used as a blanket for fire extinguishment. Eliminate ignition sources. Stay upwind. Keep out of low areas where gases (fumes) can accumulate. Do not use direct stream water. May spread fire. Fire fighters wear positive-pressure self-contained breathing apparatus (SCUBA) and protective fire fighting clothing (includes fire helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight from a protected location or safe distance.

NFPA Ratings: Health: 2 Fire: 3 Reactivity: 2 Other

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe

MEKP:

Flash Point: >200°F

Upper Flammable Limit (UFL): UK

Auto Ignition: UK

Method Used: COC

Lower Flammable Limit (LFL): UK

Flammability Classification: 2

General Fire Hazards:

The heat of decomposition of the peroxides adds to the heat of the fire. Dry chemical fire extinguishing agent may catalyze the decomposition.

Extinguishing Media:

Water from a safe distance - preferably with a fog nozzle. In case of very small fires, other means such as carbon dioxide, foam or dry chemical extinguishers may be effective. Dry chemical combined with MEKP-925 may re-ignite. Light water additives may be particularly effective at extinguishing MEKP-925 fires.

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Fire Fighting Equipment/Instructions:

Firemen should be equipped with protective clothing and Scuba's. In case of fire near storage area, cool the containers with water spray. If dry chemical is used to extinguish an MEKP-925 fire, the extinguished area must be thoroughly wetted down with water to prevent re-ignition.

NFPA Ratings: Health: 3 Fire: 2 Reactivity: 2 Other

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe

Fiber Glass:

Flash Point: Does not support combustion

Method Used: N/A

Upper Flammable Limit (UFL): Does not support combustion

Flammability Classification: N/A

Lower Flammable Limit (LFL): Does not support combustion

Auto Ignition: Does not support combustion

General Fire Hazards:

Hazardous decomposition products of combustion from sizing and binders may be released in a sustained fire. Carbon dioxide, carbon monoxide and water plus other chemicals are products of combustion

Extinguishing Media:

Water is preferred extinguishing media.

Fire Fighting Equipment/Instructions:

In any sustained fire, wear self-contained breathing apparatus (SCBA)

NFPA Ratings: Health: 0 Fire: 0 Reactivity: 0 Other

Hazard Scale: 0 = Minimal 1= Slight 2= Moderate 3= Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Resin:

Containment Procedures: Small spill, (less than 5 gal.) Do not breathe vapors, eliminate all ignition sources. Stop spill at source, prevent from entering drains, sewers, streams or other bodies of water.

Clean-Up Procedures: Small spill (less than 5 gal) absorb liquid on vermiculite, floor sweep, or other absorbent material and transfer to containers for disposal. Remove residual with hot soapy water.

Evacuation Procedures: Do not breathe vapors. If it is a large spill persons not wearing protective clothing should be excluded from area. In large spills evacuate upwind of spills and contain with dike.

Special Procedures: Ground and bond all containers and handling equipment. Vapors are heavier than air and will accumulate in low areas.

MEKP:

Containment Procedures: Dike to prevent runoff from entering drains, sewers, streams, etc. and transfer into containers.

Clean-Up Procedures: Spilled material should be swept up with an inert, moist diluent such as perlite, vermiculite, or sand, and placed in a clean polyethylene lined drum or a polyethylene drum.

Evacuation Procedures: Keep unauthorized personnel out of area.

Special Procedures: MEKP should never be added to hot solvents or monomers as a violent decomposition and / or reaction may result. Do not throw paper, cloth rags, resin, oil or other contaminates into waste MEKP spontaneous combustion can occur.

Fiberglass:

Containment Procedures: N/A

Clean-Up Procedures: Vacuum dust deposits, pick up large pieces. Do not use if contaminated with water or grease.

Evacuation Procedures: N/A

Special Procedures: Scrap material should be disposed of in a sanitary landfill in accordance with federal, state and local regulations. Waste is not hazardous as defined by RCRA (40 CFR Part 261)

*** Section 7 - Handling and Storage ***

RESIN:

Handling Procedures: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and / or solid), all hazard precautions given in the data sheet must be observed. All five-gallon pails and larger metal containers, including tank trucks, should be grounded and /or bonded when material is transferred.

Storage Procedures: Store below 75°F, avoid storage in direct sunlight.

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Shelf Life: 3 months if stored in above conditions.

MEKP:

Handling Procedures: Keep containers closed to prevent contamination. Rotate stock using the oldest first.

Storage Procedures: Storage below 80°F is required to ensure product safety. Prolonged storage at elevated temperatures will result in product degradation. Keep out of direct sunlight. **Do Not Store with Food or Drink. Do not use near food or Drink.**

Shelf Life: depends on storage conditions, 6 months or longer if stored properly.

Fiber Glass:

Handling Procedures: Keep airborne dust concentrations below regulated levels. Not an electrical conductor. Can accumulate static charge.

Storage Procedures: For optimum performance, store at 25°C (77°F) or less and relative humidity less than 65%. Keep free from moisture.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines:

Resin:

Styrene- OSHA VPEL 50 ppm TWA
OSHA VPEL 100 ppm STEL
ACGIH TLV 20 ppm TWA
ACGIH TLV 40 ppm STEL

Cobalt Compounds- OSHA VPEL 0.050 mg/m³ – TWA as Co
ACGIH TLV 0.020 mg/m³ TWA elemental and inorganic compounds, as Co
ACGIH TLV 0.050 mg/m³ - TWA metal dust & fume, as Co

MEKP:

MEKP- 0.7 ppm, 5 mg/m³ ceiling (OSHA); 0.2 ppm, 1.5 mg/m³ ceiling (ACGIH)

Dimethylphthalate- 5mg/m³ (OSHA/ACGIH)

Fiber Glass

ACGIH TLV 5.000 mg/m³

Engineering Controls

Resin: Provide sufficient mechanical ventilation to maintain exposure below TLV (s).

MEKP: mechanical, general

Fiberglass: mechanical sufficient to be below exposure limits

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Resin: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

MEKP: Safety goggles recommended, Permanent eyewash is highly recommended.

Fiberglass: Wear safety glasses or goggles.

Personal Protective Equipment: Skin

Resin: Wear resistant gloves such as: polyvinyl alcohol, wear normal work clothing covering arms and legs.

MEKP: Protective gloves recommended, solvent resistant, such as butyl rubber, nitrile or neoprene.

Fiberglass: Resistant gloves, normal work clothing to cover arms and legs.

Personal Protective Equipment: respiratory

Resin: If workplace exposure limits of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

MEKP: If airborne concentrations are exceeded then a NIOSH/MSHA approved air-purifying respirator with organic vapor cartridge or canister.

Fiberglass: #M Dust respirator No. 8710 or 9900 is recommended or a NIOSH/MSHA jointly approved dust respirator.

* * * Section 9 - Physical & Chemical Properties * * *

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Resin:

Appearance:	amber liquid	Odor:	sweet styrene smell
Physical State:	liquid	pH:	N/A
Vapor Pressure:(for component)	4.5 mm Hg @ 68°F	Vapor Density:	3.6 @air=1
Boiling Point: (for component)	293.4°F	Melting Point:	N/A
Solubility (H₂O):	N/A	Specific Gravity:	1.082 – 1.106 @77°F
Freezing Point:	N/A	Particle Size:	N/A
Softening Point:	N/A	Evaporation Rate:	slower than Ethyl Ether
Viscosity:	~400 cps	Bulk Density:	N/A
Percent Volatile:	44 to 48	Molecular Weight:	N/A

MEKP:

Appearance:	Water white liquid	Odor:	slight odor
Physical State:	liquid	pH:	N/A
Vapor Pressure:	N/A	Vapor Density:	>1
Boiling Point:	N/A	Melting Point:	N/A
Solubility (H₂O):	slightly	Specific Gravity:	1.1
Freezing Point:	N/A	Particle Size:	N/A
Softening Point:	N/A	Evaporation Rate:	UK
Viscosity:	UK	Bulk Density:	N/A
Percent Volatile:	UK	Molecular Weight:	N/A

Fiberglass:

Appearance:	Chopped strand & woven	Odor:	None
Physical State:	fabric	pH:	N/A
Vapor Pressure:	N/A	Vapor Density:	N/A
Boiling Point:	N/A	Melting Point:	N/A
Solubility (H₂O):	insoluble	Specific Gravity:	2.5
Freezing Point:	N/A	Particle Size:	N/A
Softening Point:	N/A	Evaporation Rate:	N/A
Viscosity:	N/A	Bulk Density:	N/A
Percent Volatile:	No data	Molecular Weight:	no data

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Resin: Stable

MEKP: Stable when kept in original container, out of direct sun light and below 80°F.

Fiberglass: Stable

Chemical Stability: Conditions to Avoid

Resin: Avoid exposure to excessive heat.

MEKP: Contamination. Direct sunlight. Open flames. Prolonged storage above 100°F. Storage above SADT. Storage near flammable or combustible materials.

Fiberglass: Stable

Incompatibility

Resin: Avoid contact with halogens, strong alkali's, strong mineral acids.

MEKP: Dimethylaniline, cobalt naphthenate and other promoters, accelerators, oxidizing and reducing agents, strong acids, bases, metals, metal alloys and salts, sulfur compounds, amines or any hot material.

Fiberglass: No data

Hazardous Decomposition

Resin: May form carbon dioxide and carbon monoxide, various hydrocarbons.

MEKP: Decomposition products are flammable. Acrid smoke and irritating fumes.

Fiberglass: No data

Hazardous Polymerization

Resin: Product can undergo hazardous polymerization, due to excessive heat, peroxides, and polymerization catalysts.

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MEKP: Will not occur

Fiberglass: Will not undergo hazardous polymerization.

*** Section 11 - Toxicological Information ***

Acute Toxicity

A: General Product Information

Resin: No data

MEKP:

Inhalation- Rat—LC₅₀: 200 ppm/4hr, lung, thorax, respiration, or dyspnea; Mouse—LC₅₀: 170 ppm/4 hr, lung, thorax, respiration, or dyspnea.

Intraperitoneal: Rat—LD₅₀: 65 mg/kg, behavioral, muscle weakness behavioral ataxia.

Oral: Rat—LD₅₀: 484 mg/kg; Mouse—LD₅₀: 470 mg/kg, changes in structure or function of esophagus gastrointestinal, nausea or vomiting gastrointestinal.

Skin: Rabbit—LD₅₀: 500 mg

Fiberglass: No Data

B: Component LD50/LC50

Resin: No data

MEKP:

Dimethyl Phthalate : Inhalation: Cat—LC₅₀ 9300 mg/m³/ 6.5 hr.

Intraperitoneal: Mouse—LD₅₀: 1380 mg/kg

Oral: Rat & Mouse—LD₅₀: 6800 mg/kg, somnolence behavioral, withdrawal nutritional and gross metabolic, weight loss or decreased weight gain; Dog—LD₅₀: > 1400 mg/kg; Rabbit—LD₅₀: 4400uL/kg

Subcutaneous: Mouse-- LD₅₀: 6500 mg/kg, dyspnea lung, thorax, respiration, or cyanosis.

2,2,4-Trimethyl-1, 3-pentanediol diisobutyrate: Oral: Rat-- LD₅₀: >3200 mg/kg

Methyl Ethyl Ketone: Eye: human: 350 ppm. Inhalation: Rat—LC₅₀: 23500 mg/m³/ 8 hr. Intraperitoneal: Rat-- LD₅₀: 607 mg/kg; Mouse-- LD₅₀: 616 mg/kg. Oral: Rat-- LD₅₀: 2737 mg/kg; Mouse-- LD₅₀: 4050 mg/kg. Skin: Rabbit-- LD₅₀: 6480 mg/kg.

Hydrogen Peroxide: Inhalation: Mouse—LC₅₀: 227 ppm; Rat -TC₅₀: 67 ppm/6 hr/6W-1, dermatitis, irritative of the skin.

Intraperitoneal: Mouse-- LD₅₀: 880 mg/kg

Fiberglass: No Data

Carcinogenicity

A: General Product Information

Resin: This material (or a component) is listed as a carcinogen by the International Agency for Research on Cancer. Cobalt and certain cobalt compounds have been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. In 1993, the International Agency for Research on Cancer classified styrene in group 2B (possibly carcinogenic to humans). IARC concluded that there were no convincing evidence for carcinogenic action of styrene in animals based on the animal studies which existed at that time. Rather, the IARC 2B listing was based on data for styrene oxide, a metabolite of styrene. Two recent lifetime studies with styrene, one in rats and one in mice, have been completed since the 1993 review. There was no increase in cancer in styrene-exposed rats. However, there was an increase in lung cancer in styrene-exposed mice. The relevance of the mouse lung cancer to humans is uncertain. Styrene exposure has not been associated with an increased incidence of cancer in workers including those in the reinforced plastics and composites plastic industries.

MEKP: Not recognized as a carcinogen by the IARC, NTP or OSHA

Fiberglass: This material is not listed as a carcinogen by IARC, NTP or OSHA.

*** Section 12 - Ecological Information ***

Environmental Fate

Resin: No Data

MEKP: No data is available on the preparation itself. The product should be prevented from entering drains, sewers, streams, etc. Ecotoxicity: MEKP: EC₅₀ (Guppy), 44.2 mg/L/96 hr; (alga), 42,700 ug/L/96 hr.

Fiberglass: This material is an inorganic chemical, and therefore, is not biodegraded.

*** Section 13 - Disposal Considerations ***

Disposal instructions

Resin: Contaminated absorbent may be disposed in a landfill in accordance with local, state and federal regulations. Destroy by liquid incineration in accordance with applicable regulations.

MEKP: Immediately dispose of waste material at a RCRA approved hazardous waste management facility in accordance with federal, state and local regulations.

Fiberglass: Dispose of in accordance with all applicable local, state and Federal regulations. Dispose of with other normal, solid waste.

*** Section 14 - Transportation information ***

Resin:**US DOT Information**

Shipping Name: Resin solution

Hazard Class: 3

UN/NA#: UN1866

Packing Group: III

Required Label(s): Flammable Liquid

Additional Info: packaging instructions 309

International Transportation regulations**MEKP:****US DOT Information**

Shipping Name: Organic Peroxide Type D, liquid (Methyl Ethyl Ketone Peroxide)

Hazard Class: 5.2

UN/NA#: UN3105

Packing Group: II

Required Label(s): 5.2 (Organic Peroxide)

Additional Info.: 2000 ERG Guide No. 145

International Transportation**Fiberglass:****US DOT Information**

Shipping Name: Non - Regulated

Hazard Class:

UN/NA#:

Packing Group:

Required Label(s):

Additional Info.:

International Transportation

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information: N/A

B: Component Information: Reportable Quantity

Resin: Styrene: 1000

MEKP: 2-Butanone Peroxide (MEKP): 10 lbs (4.54 kg)

Fiberglass: N/A

State Regulations

B: Component Information

Resin: California Proposition 65; The following statement is made in order to comply with the California Safe Drinking

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Water and Toxic Enforcement Act of 1986: This product contains the following substances known to the State of California to cause cancer.

Benzene
Cobalt metal powder
1, 4-Dioxane
Ethylene Oxide

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substances known to the State of California to cause reproductive harm.

Benzene
Ethylene Oxide

Styrene, in the presence of air and high temperature or prolonged exposure of styrene / air mixture to sunlight, can react to form styrene oxide. Styrene oxide is a chemical known to the State of California to cause cancer.

New Jersey RTK label information: Styrene Monomer 100-42-5

Pennsylvania RTK label information: Benzene, Ethenyl- : 100-42-5

Component	CAS#	CA	FL	MA	MN	NJ	PA
Styrene	100-42-5	X				X	X
Cobalt	7440-48-4	X					
Dimethyl Phthalate	131-11-3						
Methyl Ethyl Ketone	78-93-3						

*** Section 16 - Other Information ***

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

Key/Legend

NA = Not Applicable; NE = Not Established; EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SADT = Self Accelerating Decomposition Temperature.

Contact Person: Douglas Boberg

Contact Phone: (940) 569-1471

This is the end of MSDA # AMER 021