ESTRON CHEMICAL

THE EDGE OF INNOVATION

GHS COMPLIANT SAFETY DATA SHEET

TO COMPLY WITH *OSHA* HAZARD COMMUNICATION STANDARD *29 CFR.1910.1200*
& THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS

SECTION 1: IDENTIFICATION

PRODUCT NAME	Resiflow® L-4020
MFR.'S CODE ID/SYNONYMS	Resiflow® L-4020, DS5-062, PP8-223
CAS NUMBER	Mixture (*see Sections 3 or 8*)
PRODUCT USE	Acrylic Polymer Solution
RESTRICTIONS ON USE	For industrial use only
MANUFACTURER/SUPPLIER	Estron Chemical, Inc.
ADDRESS	807 North Main Street, Calvert City, KY 42029 USA
GENERAL INFORMATION	(270) 395-4195
EMERGENCY TELEPHONE	CHEMTREC (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: *Danger*

GHS Classification

Physical	Health	Environmental
Flammable Liquids – Category 2	Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation – Category 2A Carcinogenicity – Category 2 Specific Target Organ Toxicity, Single Exposure (Respiratory System, Central Nervous System) – Category 3	Hazardous to the Aquatic Environment, Acute Hazard – Category 2 Hazardous to the Aquatic Environment, Chronic Hazard – Category 2

GHS Label

Symbols: Flame  Health Hazard  Exclamation Mark  Environment 

Hazard Statements	Precautionary Statements
H225: Highly flammable liquid and vapour H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation H336: May cause drowsiness or dizziness H351: Suspected of causing cancer H411: Toxic to aquatic life with long lasting effects	*Prevention* P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/light/equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P264: Wash exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. *Response* P302+352: IF ON SKIN: Wash with soap and water.

	P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+340+312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P308+313: IF exposed or concerned: Get medical advice/attention. P321: Specific treatment (see supplemental first aid instructions on this label) P332+313: If skin irritation occurs: Get medical advice/attention. P337+313: If eye irritation persists, get medical advice/attention. P362+P364: Take off contaminated clothing and wash it before reuse. P370+378: In case of fire: Use foam, dry chemical powder or carbon dioxide to extinguish. P391: Collect spillage. *Storage* P403+233+235: Store in a well-ventilated place. Keep container tightly closed. Keep cool. P405: Store locked up. *Disposal* P501: Dispose of contents/container to an authorized hazardous waste handler.

HAZARDS NOT OTHERWISE CLASSIFIED: None identified.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	%	CLASSIFICATION	H CODES
Light Aromatic Solvent Naphtha	64742-95-6	70.0 – 75.0	Flammable Liquids – Category 3 Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation – Category 2A Carcinogenicity – Category 2 Specific Target Organ Toxicity, Single Exposure (Respiratory System, Central Nervous System) – Category 3 Hazardous to the Aquatic Environment, Acute Hazard – Category 2 Hazardous to the Aquatic Environment, Chronic Hazard – Category 2	H226 H315 H319 H351 H335 H336 H401 H411
n-Butyl Acetate	123-86-4	5.0 – 8.0	Flammable Liquids – Category 3 Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation – Category 2A Specific Target Organ Toxicity, Single Exposure (Central Nervous System) – Category 3 Hazardous to the Aquatic Environment, Acute Hazard – Category 3	H226 H315 H319 H336 H412
n-Butyl Alcohol	71-36-3	0.5 – 1.5	Flammable Liquids – Category 3 Acute Toxicity (Oral) – Category 4 Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation – Category 1 Specific Target Organ Toxicity, Single Exposure (Respiratory System, Central Nervous System) – Category 3 Aspiration Hazard – Category 1	H226 H302 H315 H318 H335 & H336 H304
Ethyl Acetate	141-78-6	0.1 – 1.0	Flammable Liquids – Category 2 Eye Damage/Irritation – Category 2A Specific Target Organ Toxicity, Single Exposure (Central Nervous System) – Category 3	H225 H319 H336

Component Breakdown of Light Aromatic Solvent Naphtha:

Light Aromatic Solvent Naphtha	*64742-95-6*	*45.3 – 75.0*	*Flammable Liquids – Category 3* *Acute Toxicity (Inhalation) – Category 4* *Skin Corrosion/Irritation – Category 2* *Eye Damage/Irritation – Category 2A* *Carcinogenicity – Category 2* *Specific Target Organ Toxicity, Single Exposure (Respiratory System) – Category 3* *Specific Target Organ Toxicity, Repeated Exposure (Central Nervous System) – Category 2* *Aspiration Hazard – Category 1* *Hazardous to the Aquatic Environment, Acute Hazard – Category 2* *Hazardous to the Aquatic Environment, Chronic Hazard – Category 2*
Mixed Trimethylbenzenes	*25551-13-7*	*21.0 – 52.5*	*Flammable Liquids – Category 3* *Acute Toxicity (Inhalation) – Category 4* *Skin Irritation – Category 2* *Eye Irritation – Category 2A* *Specific Target Organ Toxicity, Single Exposure (Respiratory System) – Category 3* *Aspiration Hazard – Category 1* *Hazardous to the Aquatic Environment, Acute Hazard – Category 2* *Hazardous to the Aquatic Environment, Chronic Hazard – Category 2*
Mixed Xylenes	*1330-20-7*	*0.7 – 3.8*	*Flammable Liquids – Category 3* *Acute Toxicity (Dermal, Inhalation) – Category 4* *Skin Corrosion/Irritation – Category 2* *Eye Damage/Irritation – Category 2A* *Carcinogenicity – Category 2* *Toxic to Reproduction – Category 2* *Specific Target Organ Toxicity, Single Exposure (Respiratory System) – Category 3* *Specific Target Organ Toxicity, Repeated Exposure (Liver, Kidney, Central Nervous System) – Category 2* *Aspiration Hazard – Category 1* *Hazardous to the Aquatic Environment, Acute Hazard – Category 2* *Hazardous to the Aquatic Environment, Chronic Hazard – Category 2*
Cumene	*98-82-8*	*0.7 – 3.85*	*Flammable Liquids – Category 3* *Specific Target Organ Toxicity, Single Exposure (Respiratory System) – Category 3* *Aspiration Hazard – Category 1* *Hazardous to the Aquatic Environment, Acute Hazard – Category 2* *Hazardous to the Aquatic Environment, Chronic Hazard – Category 2*
Cymenes	*25155-15-1*	*0.0 – 3.85*	*Flammable Liquids – Category 3* *Skin Corrosion/Irritation – Category 2* *Eye Damage/Irritation – Category 2A*

(See Section 8 for Exposure Limits)

NON-HAZARDOUS INGREDIENTS	**CAS #**	**%**
Polymeric Resins	Proprietary	18.0 – 22.0

SECTION 4: FIRST-AID MEASURES

SYMPTOMS OF EXPOSURE

ACUTE — Skin, eye, or respiratory tract irritation. Coughing or sneezing. Drowsiness or dizziness.

DELAYED — Stinging, tearing, redness and swelling of the eyes. Drying, cracking, redness or burning of the skin. Respiratory tract irritation, difficulty breathing. May cause cancer.

INHALATION — May cause respiratory irritation. Avoid breathing vapours, mists or dusts. Symptoms include possible discomfort; cough, sneezing, drowsiness or dizziness. If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

SKIN CONTACT — Causes skin irritation. Take off contaminated clothing and wash it before reuse. Rinse skin with water/shower. Prolonged or repeated contact may dry the skin. If skin irritation occurs: Get medical advice/attention.

EYE CONTACT — Causes serious eye irritation. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

INGESTION	If ingested, seek medical attention.
SPECIFIC TREATMENT	No other specific treatments are known or have been identified.

SECTION 5: FIRE FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION	Flammable Liquids – Category 2 (GHS)
FLAMMABLE LIMITS	LEL: 0.6 %, by volume of solvent. UEL: 12 %, by volume of solvent.
HAZARDOUS COMBUSTION PRODUCTS	Carbon Dioxide, Carbon Monoxide.
EXTINGUISHING MEDIA	Dry Chemical, Foam, CO_2.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Solvent vapors may travel in the work place. Since even residual amounts can ignite explosively, ensure all ignition sources are removed from the area. Solid streams of water may spread fire.
SPECIAL FIRE FIGHTING PROCEDURES	Wear self-contained breathing apparatus and protective suit when fighting fire. Solid streams of water may spread the fire. Do not allow run-off to enter public drainage systems or open water courses.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS	As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full (Bunker) protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Prevent contact with skin, eyes and clothing. Ensure adequate ventilation.
PROTECTIVE EQUIPMENT	See Personal Protective Equipment in Section 8.
EMERGENCY PROCEDURES	Avoid unnecessary exposure to bystanders, prevent contact with open flames or high heat sources. Isolate the area and eliminate all ignition sources. Ground and bond all containers and handling equipment. Pump with explosion-proof equipment.
ENVIRONMENTAL PRECAUTIONS	Obey relevant local, state, provincial and federal laws and regulations. Do not allow the product to enter public drainage systems or open water courses.
METHODS AND MATERIALS FOR CLEANING UP	Absorb the product onto vermiculite, floor absorbent or other absorbent materials, such as dry-lime, sand, or soda ash. Sweep or scoop into a suitable container for disposal. Ventilate area and wash spill site after material pickup is complete.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Prevent contact with the eyes, skin and clothing. Wash thoroughly after handling. Do not breathe vapors. Do not eat, drink or smoke when using this product. Use with adequate ventilation. Ground and bond all containers and handling equipment. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges. Emptied containers may still be hazardous. Do not cut, drill, grind, weld or perform similar actions on or near empty containers.
CONDITIONS FOR SAFE STORAGE	Keep container tightly closed and store in a dry, well ventilated area away from extreme heat, open flame or sources of ignition. Store locked up. The product shelf life is three years from date of manufacture in an unopened container stored at 20 °C.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	CAS #	%	ACGIH TLV	OSHA PEL
Polymeric Resins	Proprietary	18.0 – 22.0	*None established*	*None established*
n-Butyl Acetate	123-86-4	5.0 – 8.0	150 ppm	150 ppm
n-Butyl Alcohol	71-36-3	0.5 – 1.5	20 ppm	50 ppm
Ethyl Acetate	141-78-6	0.1 – 1.0	400 ppm	400 ppm
Light Aromatic Solvent Naphtha	64742-95-6	70.0 – 75.0	200 mg/m^3	400 ppm
Mixed Trimethylbenzenes	*25551-13-7*	*21.0 – 52.5*	25 ppm	25 ppm
Mixed Xylenes	*1330-20-7*	*0.7 – 3.8*	100 ppm	100 ppm
Cumene	*98-82-8*	*0.7 – 3.8*	50 ppm	50 ppm
Cymenes	*25155-15-1*	*0.0 – 3.8*	50 ppm	50 ppm

APPROPRIATE ENGINEERING CONTROLS Showers, eyewash stations and explosion-proof ventilation systems.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE	Chemical splash goggles or face shield.
SKIN	Wear resistant gloves (consult you safety equipment supplier) and impervious protective clothing as appropriate to prevent skin contact.
RESPIRATORY	An appropriate NIOSH approved respirator where exposure limits are exceeded.
HYGIENE MEASURES	Handle in accordance with good industrial hygiene and safety practices. When using, do not eat, drink or smoke. Wash face and hands before breaks and at the end of work. Wash contaminated clothing before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid	ODOR	Strong, aromatic
ODOR THRESHOLD	No test data available	pH	No test data available
MELTING POINT	No test data available	BOILING POINT/RANGE	76.5 °C @ 760 mmHg
FLASH POINT	-3 °C, (26.6 °F)	EVAPORATION RATE	No test data available
FLAMMABILITY	Flammable Liquids – Category 2 (GHS)		
FLAMMABLE LIMITS	LOWER 0.6 %, *by volume of solvent*	UPPER 12 %, *by volume of solvent*	
VAPOR PRESSURE	10 mmHg @ 20 °C	VAPOR DENSITY	No test data available
RELATIVE DENSITY	No test data available	SOLUBILITY IN H_2O	Partially soluble
PARTITION COEFFICIENT (n-octanol/water)	*See component information in Section 12.*	AUTOIGNITION TEMPERATURE	343 °C (649 °F)
DECOMPOSITION TEMPERATURE	> 250 °C (Polymer)	VISCOSITY	No test data available
% VOLATILE	78 – 82%	SOFTENING POINT	No test data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	This product does not pose a significant reactivity hazard when stored appropriately (see Section 7).
STABILITY	This product is stable when stored appropriately (see Section 7).
CONDITIONS TO AVOID	All ignition sources, heat and open flames.
INCOMPATIBILE PRODUCTS	Strong oxidizers, acids, alkalis and amines.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Dioxide, Carbon Monoxide.
POSSIBILITY OF HAZARDOUS REACTIONS	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

SYMPTOMS OF EXPOSURE

ACUTE	Skin, eye, or respiratory tract irritation. Coughing or sneezing. Drowsiness or dizziness.
DELAYED	Stinging, tearing, redness and swelling of the eyes. Drying, cracking, redness or burning of the skin. Respiratory tract irritation, difficulty breathing. May cause cancer.

ACUTE TOXICITY

INHALATION	May cause respiratory irritation. Suspected of causing cancer. May cause drowsiness or dizziness.
SKIN	Causes skin irritation.
EYES	Causes serious eye irritation.
INGESTION	Not likely to have harmful effects in normal exposures, may cause nausea or gastric distress if ingested in quantity.

INHALATION TOXICITY	LC_{50} Rat, 4 h	Solvent Naphtha	No test data available
	LC_{50} Rat, 4 h	Butyl Acetate	390 mg/l, 4 h.
	LC_{50} Rat, 4 h	n-Butyl Alcohol	8000 ppm
	LC_{50} Mouse, 4 h	Ethyl Acetate	45,000 mg/m^3
		Polymers	Not established
DERMAL TOXICITY	LD_{50} Rabbit	Solvent Naphtha	> 2,000 mg/kg
		Butyl Acetate	>17,600 mg/kg
		n-Butyl Alcohol	3,400 mg/kg
		Ethyl Acetate	>18,000 mg/kg
		Polymers	Not established
SKIN IRRITATION	Draize, Rabbit, 4 hours	Solvent Naphtha	Irritating to skin. May cause skin irritation in susceptible persons.
		Butyl Acetate	500 mg/m^3 Moderate
		n-Butyl Alcohol	Irritating to skin. May cause skin irritation in susceptible persons.
		Ethyl Acetate	Mild skin irritation
EYE IRRITATION	Draize, Rabbit	Solvent Naphtha	Irritating to eyes. May cause irreversible eye damage.
	Human	Butyl Acetate	300 ppm Moderate
	Draize, Rabbit, 24 hours	Butyl Acetate	100 mg Moderate
	Draize, Rabbit	n-Butyl Alcohol	Severely irritating to the eyes. Risk of serious damage to the eyes.
ORAL TOXICITY	LD_{50} Rat	Solvent Naphtha	> 5,000 mg/kg
		Butyl Acetate	>10000 mg/kg
		n-Butyl Alcohol	790 mg/kg
		Ethyl Acetate	5,620 mg/kg
		Polymers	Not established
SENSITIZATION	Buehler, Guinea Pig	Solvents	Did not cause sensitization on laboratory animals.

CHRONIC EFFECTS

CARCINOGENICITY — Solvent components are suspected of causing cancer.

64742-95-6

Species: rat, (male and female)
Application Route: Inhalation
Exposure time: 113 wk
Dose: O, 322, 1402, 9869 mg/m3
Frequency of Treatment: 6 h/day, Sd/week
Method: OECD Test Guideline 451
Symptoms: weight loss
GLP: yes

Carcinogenicity - Assessment — Not classifiable as a human carcinogen

MUTAGENIC EFFECTS — Solvent components caused some positive result(s) from in vivo heritable germ cell mutagenicity tests in mammals.

REPRODUCTIVE TOXICITY — Solvent components displayed some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

TARGET ORGAN EFFECTS — Central Nervous System, Respiratory System (Inhalation)

ASPIRATION TOXICITY

This product not considered an Aspiration Hazard due to kinematic viscosity

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	Toxic to aquatic life with long lasting effects.		
TOXICITY TO FISH	LC_{50} *Oncorhynchus mykiss*, 96 h	64742-95-6	9.2 mg/l
	LC_{50} *Pimephales promelas*, 96 h	95-63-6	7.19 – 8.26 mg/l
	LC_{50} *Oncorhynchus mykiss*, 96 h	98-82-8	2.7 mg/l
	LC_{50} *Lepomis macrochirus*, 96 h	1330-20-7	7.711 – 9.591 mg/l
	LC_{50} *Pimephales promelas*, 96 h	123-86-4	18 mg/l
	LC_{50} *Pimephales promelas*, 96 h	71-36-3	1,376 mg/l
	LC_{50} *Pimephales promelas*, 96 h	141-78-6	220 – 250 mg/l
		Polymers	Not established
TOXICITY TO DAPHNIA	EC_{50} *Daphnia magna*, 48 h	64742-95-6	4.5 mg/l
	EC_{50} *Daphnia magna*, 48 h	123-86-4	44 mg/l
	EC_{50} *Daphnia magna*, 48 h	71-36-3	1,328 mg/l
	EC_{50} *Daphnia magna*, 48 h	141-78-6	560 mg/l
		Polymers	Not established
TOXICITY TO ALGEA	EC_{50} *Psuedokirchneriella subcapitata*, 72 h	64742-95-6	3.71 mg/l
	EC_{50} *Desmodesmus subspicatus*, 72 h	123-86-4	675 mg/l
	EC_{50} *Psuedokirchneriella subcapitata*, 96 h	71-36-3	225 mg/l
	EC_{50} *Selenastrum*, 72 h	141-78-6	1,800 – 3,200 mg/l
		Polymers	Not established
PERSISTANCE AND DEGRADABILITY	Inoculum, activated sludge, 28 d	64742-95-6	77.05%, 49.2 mg/l, Readily biodegradable
	Inoculum, *unknown*, 19 d	71-36-3	98%, Readily biodegradable
		141-78-6	79%, Readily biodegradable
		Polymers	Not established
BIOACCUMULATIVE POTENTIAL	Partition coefficient	64742-95-6	log P_{ow} = 3.42 (25 °C)
	Partition coefficient	108-67-8	log P_{ow} = 3.42
	Partition coefficient	98-82-8	log P_{ow} = 3.55 – 3.66
	Partition coefficient	1330-20-7	log P_{ow} = 2.77 - 3.2
	Partition coefficient	25155-15-1	log P_{ow} = 4.26
	Bioaccumulation	71-36-3	BCF = 3.16
	Bioaccumulation	141-78-6	BCF = 30
		Polymers	Not established
MOBILITY IN SOIL	No data available		
OTHER ADVERSE EFFECTS	None known		

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Dispose of in accordance with local, state and federal regulations. Destroy by incineration with off-gas scrubber. Do not discharge effluent containing this product into lakes, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of the National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact you State Water Board or Regional Office of the Environmental Protection Agency.
US EPA WASTE NUMBER & DESCRIPTION	No information available

SECTION 14: TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

U.S. DOT
UN#: 1866
Proper Shipping Name: Resin solution, *flammable* (Petroleum distillates).
Classification: 3
Packing Group: II
Hazard Label: Flammable Liquid, Marine Pollutant

ICAO / IATA
UN#: 1866
Proper Shipping Name: Resin solution, *flammable* (Petroleum distillates).
Classification: 3
Packing Group: II
Hazard Label: Flammable liquid

IMDG
UN#: 1866
Proper Shipping Name: Resin solution, *flammable* (Petroleum distillates).
Classification: 3
Packing Group: II
EmS#: F-E, S-D
Environmental Hazard: Marine Pollutant
Hazard Label: Flammable liquid, Marine Pollutant

ADR/RID
UN#: 1866 Proper Shipping Name: Resin solution, *flammable* (Petroleum distillates).
Shipping Name: Resin solution, *flammable*.
Classification: 3
Packing Group: II
Environmental Hazard: Marine Pollutant
Hazard Label: Flammable liquid, Marine Pollutant

SECTION 15: REGULATORY INFORMATION

The components in this product are either listed or exempt from listing due to polymer exemption criteria for the following chemical listing inventories as indicated by an "X":

AIIC	Australian Inventory of Industrial Chemicals	
DSL	Canadian Domestic Substances List	
ECL	Korean Existing Chemicals List	
ENCS	Japanese Existing and New Chemical Substances	
IECSC	Inventory of Existing Chemical Substances in China	
NDSL	Canadian Non-Domestic Substances List	
NZIoC	New Zealand Inventory of Chemicals	
PICCS	Philippines Inventory of Chemicals and Chemical Substances	
TCSI	Taiwan Chemical Substances List	
TSCA	US Toxic Substances Control Act	**X**
VNECI	Vietnam National Existing Chemical Inventory	

INTERNATIONAL REGULATIONS

EU REGULATION (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization, *Substances of Very High Concern*: This product does not contain any SVHC listed substances.

C.D. 96/82/EC Council Directive 96/82/EC, Annex I not mentioned by name. With regard to possibly appropriate decomposition products see Chapter 10.

FEDERAL REGULATIONS

SARA 313 This product does contain chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355), see below.

INGREDIENTS	CAS #	%
Mixed Trimethylbenzenes	25551-13-7	0.0 – 13.5
Benzene, 1,2,4-Trimethyl-	95-63-6	0.0 – 13.5
Mixed Xylenes	1330-20-7	0.0 – 1.35
Benzene, (1-Methylethyl)-	98-82-8	0.0 – 1.35

SARA Section 311/312 (40 CFR 370) Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Pressure Hazard	No
Reactivity Hazard	No

CERCLA

This product, as supplied, contains substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this product.

Mixed Xylenes (1330-20-7): 100 lb RQ.
n-Butyl Alcohol (71-36-3): 5000 lb RQ
n-Butyl Acetate (123-86-4): 5000 lb final RQ; 2270 kg final RQ.
Cumene (98-82-8): 5000 lb

CLEAN WATER ACT

The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A: Mixed Xylenes, Toluene, Benzene.
The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 117.3: Mixed Xylenes, Toluene, Benzene.
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CLEAN AIR ACT

This product contains substances (Mixed Xylenes, Cumene) regulated as hazardous air pollutants (HAPS under Section 112 of the Clean Air Act Amendments of 1990.

OTHER FEDERAL

None known

U.S. STATE REGULATIONS

RIGHT TO KNOW

The Listing requirements of the Right to Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in Sections 2 and 15 of this Safety Data Sheet.

CALIFORNIA PROP 65

CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):
WARNING! This product contains a chemical(s) known to the State of California to cause cancer.

Component	CAS #	Amount
Cumene	98-82-8	0.0 – 7.5 %
Benzene	71-43-2	< 0.08 %

CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):
WARNING! This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm.

Component	CAS #	Amount
Toluene	108-88-3	< 0.08 %
Benzene	71-43-2	< 0.08 %

SECTION 16: OTHER INFORMATION

DISCLAIMER

This product is intended for industrial use only and should be used in accordance with the manufacturer's recommendations. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

DATE OF REVISION

September 26, 2025, *replaces the July 26, 2021 version*.

REASON FOR REVISION

Revised solvent constituencies based on the latest supplier information.

SDS PREPARED BY

Glen Pearson

SDS APPROVED BY

Robert Auerbach