

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 Isocryl® C-30S

MFR.'S CODE ID/SYNONYMS Isocryl® C-30S, DS9-54, DS9-51

CAS NUMBER Mixture (see Sections 3 or 8)

PRODUCT USE Resin for liquid coatings

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

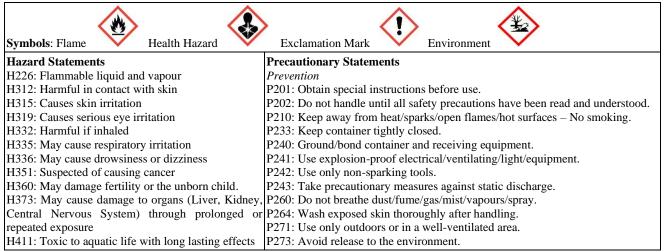
SECTION 2: HAZARDS IDENTIFICATION

Signal Word: Danger

GHS Classification

Physical	Health	Environmental
Flammable Liquids – Category 3	Acute Toxicity (Dermal, Inhalation) – Category	Hazardous to the Aquatic Environment,
	4	Acute Hazard – Category 2
	Skin Corrosion/Irritation – Category 2	Hazardous to the Aquatic Environment,
	Eye Damage/Irritation – Category 2A	Chronic Hazard – Category 2
	Carcinogenicity – Category 2	
	Toxic to Reproduction – Category 1B	
	Specific Target Organ Toxicity, Single Exposure	
	(Respiratory System) – Category 3	
	Specific Target Organ Toxicity, Repeated	
	Exposure (Liver, Kidney, Central Nervous	
	System) – Category 2	

GHS Label



P280: Wear protective gloves/protective clothing/eye protection/face protection. Response

P302+352+312: IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell.

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.

P314: Get medical advice/attention if you feel unwell.

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
Xylene	1330-20-7	30.0 - 35.0	Flammable Liquids – Category 3	H226
			Acute Toxicity (Dermal, Inhalation) – Category 4	H312, H332
			Skin Corrosion/Irritation – Category 2	H315
			Eye Damage/Irritation – Category 2A	H319
			Carcinogenicity – Category 2	H351
			Toxic to Reproduction – Category 1B	H360
			Specific Target Organ Toxicity, Single Exposure	H335
			(Respiratory System) – Category 3	
			Specific Target Organ Toxicity, Repeated	H373
			Exposure (Liver, Kidney, Central Nervous	
			System) – Category 2	
			Aspiration Hazard – Category 1	H304
			Hazardous to the Aquatic Environment, Acute	H401
			Hazard – Category 2	
			Hazardous to the Aquatic Environment, Chronic	H411
			Hazard – Category 2	
1-Methoxypropan-2-ol	107-98-2	5.0 - 9.0	Flammable Liquids – Category 3	H226
			Specific Target Organ Toxicity, Single Exposure	H336
			(Central Nervous System) – Category 3	

Component Breakdown of Mixed Xylenes

onent Breakdown of Mixed 2	,		T
Mixed Xylenes	1330-20-7	18.0 - 35.0	Flammable Liquids – Category 3
			Acute Toxicity (Dermal, Inhalation) – Category 4
			Skin Corrosion/Irritation – Category 2
			Eye Damage/Irritation – Category 2A
			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
Ethylbenzene	100-41-4	0.0 - 12.3	Flammable Liquids – Category 3
			Acute Toxicity (Inhalation) – Category 4
			Skin Corrosion/Irritation – Category 2
			Eye Damage/Irritation – Category 2B
			Carcinogenicity – Category 2
			Toxic to Reproduction – Category 2
			Specific Target Organ Toxicity, Single Exposure (Respiratory Tract
			Irritation, Narcotic Effects) – Category 3
			Hazardous to the Aquatic Environment, Acute Hazard - Category 2
Toluene	108-88-3	0.0 - 0.35	Flammable Liquids – Category 3
			Acute Toxicity (Inhalation) – Category 4
			Specific Target Organ Toxicity, Single Exposure (Respiratory Tract
			Irritation, Narcotic Effects) – Category 3
			Skin Corrosion/Irritation – Category 2
Cumene	98-82-8	0.0 - 0.35	Flammable Liquids – Category 3
			Carcinogenicity – Category 2
			Acute Toxicity (Inhalation) – Category 3
			Acute Toxicity (Oral) – Category 4
			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

(See Section 8 for Exposure Limits)

NON-HAZARDOUS INGREDIENTS	CAS#	%
Acrylic Polymer	Proprietary	58.0 - 62.0

SECTION 4: FIRST-AID MEASURES

SYMPTOMS OF EXPOSURE

ACUTE Eye, skin 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.

INHALATION Harmful if inhaled. May cause drowsiness or dizziness. May cause respiratory irritation. Do not

inhale 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.

SKIN CONTACT Harmful in contact with skin. Causes skin irritation. Take off contaminated clothing. 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 Liquid Class IC

FLAMMABLE LIMITS 0.9 %, by volume of solvent.

16.9 %, by volume of solvent.

HAZARDOUS COMBUSTION PRODUCTS Carbon Dioxide, Carbon Monoxide.

EXTINGUISHING MEDIA Dry Chemical, Foam, CO2.

UNUSUAL FIRE AND EXPLOSION

Solvent vapors may travel in the work place. Since even residual amounts can ignite **HAZARDS** 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 Avoid contact with the eyes, skin and clothing. Wash thoroughly after handling. Do

not breathe vapors. 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 Store in cool, dry, well-ventilated areas. Keep containers tightly closed. Do not store

near extreme heat, open flame or sources of ignition. Store locked up. The product shelf life is two 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
Acrylic Polymer	Proprietary	58.0 - 62.0	None established	None established
1-Methoxypropan-2-ol	107-98-2	5.0 - 9.0	50 ppm	100 ppm
Xylene	1330-20-7	18.0 - 35.0	100 ppm	100 ppm
Ethylbenzene	100-41-4	0.0 - 12.3	100 ppm	100 ppm
Toluene	108-88-3	0.0 - 0.35	50 ppm (Skin)	150 ppm
Cumene	98-82-8	0.0 - 0.35	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

Clear liquid ODOR APPEARANCE Strong, aromatic ODOR THRESHOLD No test data available pН No test data available 120 °C @ 760 mmHg MELTING POINT No test data available BOILING POINT/RANGE 26 °C, (79 °F) **EVAPORATION RATE** No test data available FLASH POINT

FLAMMABILITY Flammable Liquid Class IC

FLAMMABLE LIMITS LOWER 0.9 %, by volume of solvent UPPER 16.9 %, by volume of solvent VAPOR PRESSURE 7 - 11 mmHg @ 20 °C VAPOR DENSITY 3.5 (Air = 1)

RELATIVE DENSITY

No test data available

SOLUBILITY IN H₂O

Solvent – Partially soluble

No lest data available SOLOBILIT I IN H₂O Solvent – Fattany solub

Polymers - Nil

PARTITION COEFFICIENT AUTOIGNITION

(n-octanol/water) No test data available TEMPERATURE 432 - 530 °C

DECOMPOSITION

TEMPERATURE No test data available VISCOSITY 2,500 – 4,000 cps % VOLATILE 38 - 42% 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 Eye, skin 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.

ACUTE TOXICITY

INHALATION Harmful if inhaled. May cause drowsiness or dizziness. May cause respiratory irritation.

Suspected of causing cancer.

SKIN Harmful in contact with 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 LC₅₀ Rat, 4 h Xylene 6700 ppm, causes irritation.

Toluene 8000 mg/L 1-Methoxypropan-2-ol 54.6 mg/l Polymers Not established

DERMAL TOXICITY	LD ₅₀ Rabbit	Xylene Ethylbenzene 1-Methoxypropan-2-ol Polymers	1,100 m > 5,000 13,000 i Not esta	mg/kg mg/kg
SKIN IRRITATION	Draize, Rabbit, 24 hours	Xylene	500 mg	Moderate, causes skin irritation
EYE IRRITATION	Draize, Rabbit, 24 hours	Xylene Ethylbenzene	87 mg 500 mg	Severe, causes eye irritation Moderate, causes eye irritation
ORAL TOXICITY	LD ₅₀ Rat	Xylene Ethylbenzene Toluene 1-Methoxypropan-2-ol Polymers	3,523 m 5,460 m 2,600 m 11,700 i Not esta	g/kg g/kg mg/kg

SENSITIZATION Draize, Rabbit Not established

CHRONIC EFFECTS

MOBILITY IN SOIL

OTHER ADVERSE EFFECTS

CARCINOGENICITY Solvent components are suspected of causing cancer. Ethylbenzene IARC Classified

2B (Possible for Humans), ACGIH A3 (Confirmed Animal Carcinogen with Unknown

Relevance to Humans)

MUTAGENIC EFFECTS Ethylbenzene – Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or

yeast.

REPRODUCTIVE TOXICITY Xylene shows clear evidence of adverse effects on sexual function and fertility, based

on animal experiments. 2-Methoxy-1-propanol can cause adverse reproductive effects

- such as birth defects, miscarriages or infertility.

TARGET ORGAN EFFECTS Respiratory Tract Irritation, Liver, Kidney, Central Nervous System. Narcotic Effects

(Inhalation)

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	Toxic to aquatic life with los	ng lasting effects.	
TOXICITY TO FISH	LC ₅₀ Oncorhynchus mykiss, LC ₅₀ Oncorhynchus mykiss, LC ₅₀ Salmon, 96 h	<u> </u>	2.6 mg/l 4.2 mg/l 11,700 mg/kg Not established
TOXICITY TO DAPHNIA	EC50 Daphnia magna	Xylene Ethylbenzene 1-Methoxypropan-2-ol Polymers	1 mg/l, 24 h 1.8 mg/l, 48 h 25,900 mg/l Not established
TOXICITY TO ALGEA	EC ₅₀ Psuedokirchneriella Subcapitata, 72 h	Xylene Ethylbenzene Polymers	4.36 mg/l 5.4 mg/l Not established
PERSISTANCE AND DEGRADABILITY	Inoculum, activated sludge	Xylene Ethylbenzene	72%, 20 d, Readily biodegradable 70%, 28 d, Readily biodegradable
BIOACCUMULATIVE POTENTIAL	Partition coefficient (log $K_{\rm ow}$)	Xylene 2.92 Ethylbenzene 3.15	

The solvent in this product is a mobile liquid.

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

For ground transportation ONLY:

Proper Shipping Name: Resin solution, flammable (mixed

xylenes). Classification: 3 UN#: 1866 Packing Group: III

Hazard Label: Flammable liquid

Note: Not a Marine Pollutant, by D.O.T. standards

All other transport:

Proper Shipping Name: Resin solution, flammable (mixed

xylenes). Classification: 3 UN#: 1866 Packing Group: III

Hazard Label: Flammable liquid, Marine Pollutant

IMDG

Proper Shipping Name: Resin solution, flammable (mixed

xylenes). Classification: 3 UN#: 1866 Packing Group: III EmS#: F-E, S-E

Environmental Hazard: Marine Pollutant

Hazard Label: Flammable liquid, Marine Pollutant

ICAO / IATA

Proper Shipping Name: Resin solution, flammable (mixed

xylenes). Classification: 3 UN#: 1866 Packing Group: III

Hazard Label: Flammable liquid

ADR/RID

Proper Shipping Name: Resin solution, flammable (mixed

xylenes). Classification: 3 UN#: 1866 Packing Group: III

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	X
DSL	Canadian Domestic Substances List	X
ECL	Korean Existing Chemicals List	
ENCS	Japanese Existing and New Chemical Substances	
IECSC	Inventory of Existing Chemical Substances in China	X
INSQ	National Inventory of Chemical Substances in Mexico	
NDSL	Canadian Non-Domestic Substances List	
NZIoC	New Zealand Inventory of Chemicals	X
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	X

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.

CANADA WHMIS Class B-2: Flammable Liquid

Class D-2A: Very Toxic Material Causing Other Toxic Effects Class D-2B: Toxic Material Causing Other Toxic Effects

FEDERAL REGULATIONS

SARA 313

This product may contain chemicals (xylene, ethylbenzene, toluene, cumene) which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

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 (1-Methoxypropan-2-ol, xylene, ethylbenzene, toluene) 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.

CLEAN WATER ACT

This product contains substances (xylene, ethylbenzene, toluene) 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 (xylene, ethylbenzene, toluene, 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
Xylene	1330-20-7	18.0 - 35.0 %
Ethylbenzene	100-41-4	0.0 - 12.3 %
Toluene	108-88-3	0.0 - 0.35 %
Cumene	98-82-8	0.0 - 0.35 %
Benzene	71-43-2	Trace

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	0.0 - 0.35 %
Benzene	71-43-2	Trace

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 June 26, 2023, replaces the August 19, 2022 version.

REASON FOR REVISION Updated information in Section 14.

SDS PREPARED BY Glen Pearson

SDS APPROVED BY Robert Auerbach