



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

### **EXPERIMENTAL PRODUCT**

#### **SECTION I: IDENTIFICATION**

PRODUCT NAME Isocryl® EP-452  
MFR.'S CODE ID/SYNONYMS Isocryl® EP-452  
CAS NUMBER Proprietary  
PRODUCT USE Solid acrylic resin  
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 II: HAZARDS IDENTIFICATION**

**Signal Word:** *Warning*

##### **GHS Classification**

<b>Health</b>	<b>Environmental</b>	<b>Physical</b>
None	None	OSHA Combustible Dust

##### **GHS Label**

**Symbols:** *No symbol*

<b>Hazard Statements</b>	<b>Precautionary Statements</b>
May form combustible dust concentrations in air.	None

#### **SECTION III: COMPOSITION/ INFORMATION ON INGREDIENTS**

INGREDIENTS	CAS #	%
Acrylic Polymers	Proprietary	100

(See Section 8 for Exposure Limits)

#### **SECTION IV: FIRST-AID MEASURES**

ROUTES OF EXPOSURE Contact with skin or eyes, inhalation or ingestion.

SYMPTOMS OF EXPOSURE  
ACUTE Temporary mild skin or eye irritation.  
DELAYED Stinging, tearing, redness and swelling of the eyes. Redness or burning of the skin.

EYE CONTACT Mildly irritating to the eyes. Wash with plenty of water for 15 minutes. Consult a physician.

SKIN CONTACT Mildly irritating to the skin. Wash thoroughly with soap and water. If skin irritation persists consult a doctor.

INHALATION Not applicable, unless heated past the decomposition point or dust is allowed to accumulate in the air while handling. If so, remove to fresh air.

INGESTION If ingested, seek medical attention.

## **SECTION V: FIRE FIGHTING MEASURES**

FLAMMABILITY CLASSIFICATION	OSHA Combustible Dust.
FLAMMABLE LIMITS	No test data available.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide and carbon dioxide.
EXTINGUISHING MEDIA	Dry Chemical, Water Fog, CO <sub>2</sub> .
UNUSUAL FIRE AND EXPLOSION HAZARDS	May represent a combustion hazard if dust from this material is allowed to accumulate in the air.
SPECIAL FIRE FIGHTING PROCEDURES	None known.
FURTHER INFORMATION	As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

## **SECTION VI: ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS	Wear personal protective equipment (see Section 8), including impermeable boots.
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 FOR CLEANING UP	Avoid creating excessive dust while collecting. Sweep or scoop into a suitable container for disposal.

## **SECTION VII: HANDLING AND STORAGE**

HANDLING	Do not allow dust to concentrate in the air from handling. If necessary, use local ventilation. Handle in accordance with good industrial hygiene and safety practice.
STORAGE	Store in cool areas. Keep containers closed.

## **SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENTS	CAS #	%	ACGIH TLV	OSHA PEL
Acrylic Polymers	Proprietary	100	<i>None established</i>	<i>None established</i>
ENGINEERING MEASURES	None required.			
PERSONAL PROTECTIVE EQUIPMENT				
EYE/FACE	Safety glasses, goggles or face shield.			
SKIN	Impervious protective gloves and clothing as appropriate to prevent skin contact.			
RESPIRATORY	An appropriate NIOSH approved respirator for Dust.			
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 IX: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	White to off-white granules	ODOR	Mild, esteric
ODOR THRESHOLD	No test data available	pH	No test data available
MELTING POINT	No test data available	FREEZING POINT	No test data available
BOILING POINT	>200 °C	BOILING RANGE	No test data available
FLASH POINT	Over 200 °F	EVAPORATION RATE	No test data available
FLAMMABILITY	OSHA Combustible Dust		
FLAMMABLE LIMITS			
LOWER	No test data available	UPPER	No test data available
VAPOR PRESSURE	No test data available	VAPOR DENSITY	No test data available

RELATIVE DENSITY	1.10 – 1.15 @ 20 °C	SOLUBILITY IN H <sub>2</sub> O	None
PARTITION COEFFICIENT (n-octanol/water)		No test data available	
AUTOIGNITION TEMPERATURE		No test data available	
DECOMPOSITION TEMPERATURE		> 250 °C	
VISCOSITY		No test data available	
% VOLATILE		2 Maximum	
SOFTENING POINT		100 – 120 °C	

### **SECTION X: STABILITY AND REACTIVITY**

STABILITY	Stable
CONDITIONS TO AVOID	Excessive heat and open flame, material dust accumulation.
INCOMPATIBLE MATERIALS	None known
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon dioxide and carbon monoxide.
HAZARDOUS POLYMERIZATION	Will not occur

### **SECTION XI: TOXICOLOGICAL INFORMATION**

ROUTES OF EXPOSURE	Contact with skin or eyes, inhalation or ingestion.		
SYMPTOMS OF EXPOSURE			
ACUTE	Temporary mild skin or eye irritation. Coughing.		
DELAYED	Stinging, tearing, redness and swelling of the eyes. Redness or burning of the skin. Irritation of the lungs and airways.		
ACUTE TOXICITY	In some cases, eye or skin contact will cause mild, but reversible, irritation.		
ORAL TOXICITY	LD <sub>50</sub> Rat	Polymers	> 2000 mg/kg
INHALATION TOXICITY	LC <sub>50</sub> Rat	Polymers	Not established
DERMAL TOXICITY	LD <sub>50</sub> Rabbit	Polymers	> 2000 mg/kg 14 days
CHRONIC EFFECTS			
CARCINOGENICITY	Not known to be a carcinogen		
MUTAGENIC EFFECTS	None known		
REPRODUCTIVE TOXICITY	None known		

### **SECTION XII: ECOLOGICAL INFORMATION**

TOXICITY TO FISH	LC <sub>50</sub> Brachydanio rerio	Polymers	Not established
TOXICITY TO DAPHNIA	EC <sub>50</sub> Daphnia magna	Polymers	Not established
PERSISTENCE & DEGRADABILITY	No data available		
BIOACCUMULATIVE POTENTIAL	No data available		
MOBILITY IN SOIL	No data available		
OTHER ADVERSE EFFECTS	None known		

### **SECTION XIII: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL	Dispose of in accordance with local, state and federal regulations. This product, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This product could become a hazardous waste, if chemical additions are made or if the product is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste.
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#### **SECTION XIV: TRANSPORT INFORMATION**

DOT	Not regulated	TDG	Not regulated
MEX	Not regulated	ICAO	Not regulated
IATA	Not regulated	IMDG/IMO	Not regulated
RID	Not regulated	ADR	Not regulated
ADN	Not regulated		

#### **SECTION XV: 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":

AICS	Australian Inventory of Chemical Substances	X
DSL	Canadian Domestic Substances List	X
ECL	Korean Existing Chemicals List	X
ECN	Taiwan Chemical Substances List	
EINECS	European Inventory of Existing Commercial Chemical Substances	X
ELINCS	European List of Notified Chemical Substances	
ENCS	Japanese Existing and New Chemical Substances	X
IECSC	Inventory of Existing Chemical Substances in China	X
ISRAEL	Proposed Israel Hazardous Substances List	
NDSL	Canadian Non-Domestic Substances List	
NZIoC	New Zealand Inventory of Chemicals	X
PICCS	Philippines Inventory of Chemicals and Chemical Substances	
SWISS	Giftliste 1 and Inventory of Notified New Substances	
TSCA	US Toxic Substances Control Act	X

#### INTERNATIONAL REGULATIONS

EU REGULATION	(EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorization, <i>Substances of Very High Concern</i> : This product does not contain any SVHC listed substances.
EINECS	All of the components of this product are included on the European Inventory of Existing Commercial Chemical 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 not contain any 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).

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

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

CERCLA This product, as supplied, does not contain any 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.

CLEAN WATER ACT 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 does not contain any substances regulated as hazardous air pollutants (HAPS under Section 112 of the Clean Air Act Amendments of 1990).

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      This product does not contain any substances known to the state of California to cause cancer and/or reproductive toxicity.

**SECTION XVI: 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        October 7, 2014, *replaces 08/10/07 version.*

REASON FOR REVISION    Updated to GHS format.

SDS PREPARED BY        Glen Pearson

SDS APPROVED BY        Robert Auerbach