SECTION 1: IDENTIFICATION

PRODUCT NAME          Isocryl® H-1871
MFR.'S CODE ID/SYNONYMS Isocryl® H-1871
CAS NUMBER            Proprietary
PRODUCT USE           Solid acrylic resin
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: Warning

GHS Classification

<table>
<thead>
<tr>
<th>Physical</th>
<th>Health</th>
<th>Environmental</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Combustible Dust</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

GHS Label

Symbols: No symbol

Hazard Statements

May form combustible dust concentrations in air.

Precautionary Statements

None

HAZARDS NOT OTHERWISE CLASSIFIED: None identified.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS INGREDIENTS</th>
<th>CAS #</th>
<th>%</th>
<th>CLASSIFICATION</th>
<th>H CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic Polymer</td>
<td>Proprietary</td>
<td>100</td>
<td>OSHA Combustible Dust</td>
<td>None</td>
</tr>
</tbody>
</table>

(See Section 8 for Exposure Limits)

SECTION 4: FIRST-AID MEASURES

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.

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.

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

EYE CONTACT   Mildly irritating to the eyes. Wash with plenty of water for 15 minutes. Consult a physician.
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  OSHA Combustible Dust
FLAMMABLE LIMITS  No test data available
HAZARDOUS COMBUSTION PRODUCTS  Carbon monoxide and carbon dioxide.
EXTINGUISHING MEDIA  Dry Chemical, Water Fog, CO₂
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.
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  Avoid contact with skin, eyes and clothing.
PROTECTIVE EQUIPMENT  See Personal Protective Equipment in Section 8.
EMERGENCY PROCEDURES  Avoid unnecessary exposure to bystanders, prevent contact with open flames or other ignition sources.
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  Avoid creating excessive dust while collecting. Sweep or scoop into a suitable container for disposal.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE 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.
CONDITIONS FOR SAFE STORAGE  Store in cool areas. Keep containers closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS  CAS #  %  ACGIH TLV  OSHA PEL
Acrylic Polymer  Proprietary  100  None established  None established

APPROPRIATE ENGINEERING CONTROLS  None required.
PERSONAL PROTECTIVE EQUIPMENT
EYE/FACE  Safety glasses or goggles.
SKIN  Impervious protective gloves and clothing as appropriate to avoid 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 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE  Clear flakes  ODOR  Mild, esteric
ODOR THRESHOLD  No test data available  pH  No test data available
MELTING POINT  No test data available  BOILING POINT/RANGE  >200 °C
FLASH POINT  Over 200 °F  EVAPORATION RATE  No test data available
FLAMMABILITY  OSHA Combustible Dust

Isocryl® H-1871
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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 – 1.20 @ 20 °C  SOLUBILITY IN H₂O  Not readily soluble
PARTITION COEFFICIENT (n-octanol/water)  No test data available  TEMPERATURE  No test data available
DECOMPOSITION TEMPERATURE  > 250 °C  VISCOSITY  No test data available
% VOLATILE  2 Maximum  SOFTENING POINT  110 – 130 °C

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  Excessive heat and open flame, material dust accumulation.
INCOMPATIBLE PRODUCTS  Strong oxidizing or reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS  Carbon dioxide and carbon monoxide.
POSSIBILITY OF HAZARDOUS REACTIONS  Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

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
INHALATION  May be mildly irritating.
SKIN  In some cases, skin contact will cause mild, but reversible, irritation.
EYES  In some cases, eye contact will cause mild, but reversible, 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  Not established
DERMAL TOXICITY  LD₅₀ Rat  Not established
SKIN IRRITATION  Draize, Rabbit, 24 hours  Not established
EYE IRRITATION  Draize, Rabbit, 24 hours  Not established
ORAL TOXICITY  LD₅₀ Rat  Not established
SENSITIZATION  Draize, Rabbit  Not established

CHRONIC EFFECTS
CARCINOGENICITY  Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65
MUTAGENIC EFFECTS  None known
REPRODUCTIVE TOXICITY  None known
TARGET ORGAN EFFECTS  None known

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY  Not known to be harmful to aquatic life.
TOXICITY TO FISH  Not established
TOXICITY TO DAPHNIA  Not established

PERSISTANCE AND DEGRADABILITY No data available

BIOACCUMULATIVE POTENTIAL No data available

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. 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.

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.

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 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”:

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Description</th>
<th>List Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>AICS</td>
<td>Australian Inventory of Chemical Substances</td>
<td>X</td>
</tr>
<tr>
<td>DSL</td>
<td>Canadian Domestic Substances List</td>
<td>X</td>
</tr>
<tr>
<td>ECL</td>
<td>Korean Existing Chemicals List</td>
<td></td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
<td></td>
</tr>
<tr>
<td>ENCS</td>
<td>Japanese Existing and New Chemical Substances</td>
<td></td>
</tr>
<tr>
<td>IECSC</td>
<td>Inventory of Existing Chemical Substances in China</td>
<td>X</td>
</tr>
<tr>
<td>ISRAEL</td>
<td>Proposed Israel Hazardous Substances List</td>
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</tr>
<tr>
<td>NDSL</td>
<td>Canadian Non-Domestic Substances List</td>
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</tr>
<tr>
<td>NZIoC</td>
<td>New Zealand Inventory of Chemicals</td>
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</tr>
<tr>
<td>PICCS</td>
<td>Philippines Inventory of Chemicals and Chemical Substances</td>
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<tr>
<td>SWISS</td>
<td>Giftliste 1 and Inventory of Notified New Substances</td>
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<tr>
<td>TCSI</td>
<td>Taiwan Chemical Substances List</td>
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</tr>
<tr>
<td>TSCA</td>
<td>US Toxic Substances Control Act</td>
<td>X</td>
</tr>
</tbody>
</table>

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.

REACH One or more components of this product are not REACH registered. Import quantities may be subject to limitation.

EINECS All of the components of this product are included on the European Inventory of Existing Commercial Chemical Substances.


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

<table>
<thead>
<tr>
<th>Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

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).

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  
This product may contain trace quantities of a substance(s) (styrene) known to the state of California to cause cancer and/or reproductive toxicity.

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  
August 9, 2019, replaces the December 20, 2018 version.

REASON FOR REVISION  
Corrected Skin/Eye warning reversal in Section 11.

SDS PREPARED BY  
Glen Pearson

SDS APPROVED BY  
Robert Auerbach