

**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 I: IDENTIFICATION**

PRODUCT NAME	Escat 110
MFR.'S CODE ID/SYNONYMS	Escat 110
CAS NUMBER	36947-68-9
PRODUCT USE	Catalyst
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**

Health	Environmental	Physical
Skin Corrosion/Irritation – Category 2 Eye Irritation – Category 2A Specific Target Organ Toxicity, Single Exposure – Category 3A	None	OSHA Combustible Dust

**GHS Label**

<b>Symbols:</b> Exclamation Point 	
<b>Hazard Statements</b> H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation May form combustible dust concentrations in air.	<b>Precautionary Statements</b> <i>Prevention</i> 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. P280: Wear protective gloves/protective clothing/eye protection/face protection.  <i>Response</i> P302+352: IF ON SKIN: Wash with soap and water. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P312: Call a POISON CENTER or doctor/physician 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 immediately all contaminated clothing and wash it before reuse.  <i>Storage</i> P403+233: Store in a well ventilated place. Keep container tightly closed. P405: Store locked up.  <i>Disposal</i> P501: Dispose of contents/container to an authorized hazardous waste handler.

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

INGREDIENTS	CAS #	%
Isopropyl Imidazole	36947-68-9	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, eye, nose or throat irritation.
DELAYED	Stinging, tearing, redness and swelling of the eyes. Coughing or other irritation of the respiratory tract. Dryness, 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	Remove to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
INGESTION	If ingested, seek medical attention. Do not induce vomiting.

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

FLAMMABILITY CLASSIFICATION	OSHA Combustible Dust.
FLAMMABLE LIMITS	No test data available.
HAZARDOUS COMBUSTION PRODUCTS	Carbon monoxide and carbon dioxide, nitrogen oxides.
EXTINGUISHING MEDIA	Dry Chemical, Water Fog, CO <sub>2</sub> .
UNUSUAL FIRE AND EXPLOSION HAZARDS	Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.
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. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
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	Prevent contact with skin and eyes. Avoid inhalation. If necessary, use local ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654,
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Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids, for safe handling.

STORAGE Store in cool areas. Keep containers closed.

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

INGREDIENTS	CAS #	%	ACGIH TLV	OSHA PEL
Isopropyl Imidazole	36947-68-9	100	None established	None established

ENGINEERING MEASURES Showers, eyewash stations and ventilation systems. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.

#### 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 particulate matter and dusts.

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 yellow flakes	ODOR	Mild, acrid
ODOR THRESHOLD	No test data available	pH	No test data available
MELTING POINT	130 °C (266 °F)	FREEZING POINT	No test data available
BOILING POINT	257 °C (495 °F)	BOILING RANGE	No test data available
FLASH POINT	No test data available	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	1.33 @ 20 °C	SOLUBILITY IN H <sub>2</sub> O	No test data available
PARTITION COEFFICIENT (n-octanol/water)		No test data available	
AUTOIGNITION TEMPERATURE		No test data available	
DECOMPOSITION TEMPERATURE		No test data available	
% VOLATILE		2 Maximum	

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

STABILITY Stable when maintained under recommended storage conditions.

CONDITIONS TO AVOID Dust accumulation in air or on surfaces, excessive heat, moisture and open flame.

INCOMPATIBLE MATERIALS Avoid exposure to oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS Carbon dioxide and carbon monoxide, other toxic fumes.

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, eye, nose or throat irritation.	
DELAYED	Stinging, tearing, redness and swelling of the eyes. Coughing or other irritation of the respiratory tract. Dryness, redness or burning of the skin.	
ACUTE TOXICITY	In some cases, eye or skin contact and inhalation will cause mild, but reversible, irritation.	
ORAL TOXICITY	LD <sub>50</sub> Rat	Not established
INHALATION TOXICITY	LC <sub>50</sub> Rat	Not established
DERMAL TOXICITY	LD <sub>50</sub> Rabbit	Not established
<b>CHRONIC EFFECTS</b>		
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	Not established
TOXICITY TO DAPHNIA	EC <sub>50</sub> Daphnia magna	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      Hazardous waste, dispose of in accordance with local, state and federal regulations. Contact a licensed professional waste disposal service to dispose of this material.

**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	
DSL	Canadian Domestic Substances List	
ECL	Korean Existing Chemicals List	
ECN	Taiwan Chemical Substances List	X
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	X
NZIoC	New Zealand Inventory of Chemicals	X
PICCS	Philippines Inventory of Chemicals and Chemical Substances	X
SWISS	Giftliste 1 and Inventory of Notified New Substances	X
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.
REACH	All components of this product are REACH pre-registered.
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 July 9, 2014

REASON FOR REVISION Changed to new logo. Added Combustible Dust hazard warnings to Sections 2, 4 through 7 and 9 through 11. Changed to Hazardous Waste in Section 13. Removed EU Risk and Safety Phrases and added SARA Section 311/312 Fire Hazard listing to Section 15. Added REACH statement to Section 15. Removed HMIS Warnings from Section 16.

SDS PREPARED BY Glen Pearson

SDS APPROVED BY Robert Auerbach