

**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	Escat A-140
MFR.'S CODE ID/SYNONYMS	Escat A-140, FA1-8-2
CAS NUMBER	Mixture (see Section 3)
PRODUCT USE	Additive for paints and 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
Corrosive to Metals – Category 1 OSHA Combustible Dust	Acute Toxicity (Oral) – Category 4 Skin Corrosion/Irritation – Category 1B Eye Damage/Irritation – Category 1	Hazardous to the Aquatic Environment, Acute Hazard – Category 1 Hazardous to the Aquatic Environment, Chronic Hazard – Category 1

**GHS Label**

<p><b>Symbols:</b> Corrosion  Exclamation Point  Environment </p>	
<p><b>Hazard Statements</b>  H290: May be corrosive to metals  H302: Harmful if swallowed  H314: Causes severe skin burns and eye damage  H318: Causes serious eye damage  H410: Very toxic to aquatic life with long lasting effects  May form combustible dust concentrations in air.</p>	<p><b>Precautionary Statements</b>  <i>Prevention</i>  P234: Keep only in original container.  P260: Do not breathe dust/fume/gas/mist/vapours/spray.  P264: Wash exposed skin thoroughly after handling.  P270: Do not eat, drink or smoke when using this product.  P273: Avoid release to the environment.  P280: Wear protective gloves/protective clothing/eye protection/face protection.  <i>Response</i>  P301+312+330+331: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.  P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  P305+351+338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician.  P321: Specific treatment (see supplemental first aid instructions on this label)  P363: Wash contaminated clothing before reuse.  P390: Absorb spillage to prevent material damage.  P391: Collect spillage.</p>

	<p><i>Storage</i>  P405: Store locked up.  P406: Store in corrosive resistant container with a resistant inner liner.</p> <p><i>Disposal</i>  P501: Dispose of contents/container to an authorized hazardous waste handler.</p>
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HAZARDS NOT OTHERWISE CLASSIFIED: None identified.

**SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	%	CLASSIFICATION	H Codes
1-Octadecanamine, N,N-dimethyl-	124-28-7	60 - 69	Corrosive to Metals – Category 1 Acute Toxicity (Oral) – Category 4 Skin Corrosion/Irritation – Category 1B Eye Damage/Irritation – Category 1 Hazardous to the Aquatic Environment, Acute Hazard – Category 1 Hazardous to the Aquatic Environment, Chronic Hazard – Category 1	H290 H302 H314 H318 H400  H410
Silica, Amorphous, Precipitated	112926-00-8	31 - 40	OSHA Combustible Dust <i>(when blended with 1-Octadecanamine, N,N-dimethyl-)</i>	<i>None</i>

*(See Section 8 for Exposure Limits)*

**SECTION 4: FIRST-AID MEASURES**

SYMPTOMS OF EXPOSURE

ACUTE	Skin burns, eye damage, skin, eye, nose, or throat irritation.
DELAYED	Skin burns. Stinging, tearing, redness and swelling of the eyes. Coughing or other irritation of the respiratory tract. Dryness, redness or burning of the skin.
INHALATION	May cause irritation of of the nose, throat, and respiratory tract. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
SKIN CONTACT	Causes severe skin burns. Immediately remove all contaminated clothing and wash before re-use. Rinse skin with water/shower.
EYE CONTACT	Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a POISON CENTER or doctor/physician.
INGESTION	Harmful if swallowed. If ingested, call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
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, carbon dioxide, and nitrogen oxides.
EXTINGUISHING MEDIA	Dry Chemical, Foam, Sand, 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.
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.
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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. Absorb spillage to prevent material damage. Sweep or scoop into a suitable container for disposal.

### **SECTION 7: HANDLING AND STORAGE**

PRECAUTIONS FOR SAFE HANDLING	Do not eat, drink or smoke when using this product. Do not allow dust to concentrate in the air from handling. May be corrosive to metals. If necessary, use local ventilation. Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges.
CONDITIONS FOR SAFE STORAGE	Store locked up in a dry, cool area and avoid excessive heat. Store in corrosive resistant container with a resistant inner liner. Keep containers tightly closed. 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
1-Octadecanamine, N,N-dimethyl-	124-28-7	60 - 69	<i>None established</i>	<i>None established</i>
Silica, Amorphous, Precipitated	112926-00-8	31 - 40	10mg/m <sup>3</sup>	5 mg/m <sup>3</sup> ( <i>Respirable</i> )

APPROPRIATE ENGINEERING CONTROLS None required.

#### PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE Safety glasses or goggles.

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 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Off-white powder	ODOR	Fatty amines
ODOR THRESHOLD	No test data available	pH	No test data available
MELTING POINT	No test data available	BOILING POINT/RANGE	No test data available
FLASH POINT	367 °F (186 °C)	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	1.02-1.10	SOLUBILITY IN H <sub>2</sub> O	Not readily soluble
PARTITION COEFFICIENT (n-octanol/water)	No test data available	AUTOIGNITION TEMPERATURE	No test data available
DECOMPOSITION TEMPERATURE	> 250 °C	VISCOSITY	Not applicable
% VOLATILE	5 Maximum	SOFTENING POINT	Not applicable

### **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. Copper and copper alloys.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, and nitrogen oxides.
POSSIBILITY OF HAZARDOUS REACTIONS	Will not occur

**SECTION 11: TOXICOLOGICAL INFORMATION**

SYMPTOMS OF EXPOSURE			
ACUTE	Skin burns, eye damage, skin, eye, nose, or throat irritation.		
DELAYED	Skin burns. 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			
INHALATION	May be irritating.		
SKIN	Causes severe skin burns.		
EYES	Causes serious eye damage.		
INGESTION	Harmful if swallowed.		
INHALATION TOXICITY	LC <sub>50</sub> Rat		Not established
DERMAL TOXICITY	LD <sub>50</sub> Rabbit		> 2000 mg/kg
SKIN IRRITATION	Draize, Rabbit, 24 hours		Irritating.
EYE IRRITATION	Draize, Rabbit, 24 hours		Irritating.
ORAL TOXICITY	LD <sub>50</sub> Rat	124-28-7 112926-00-8	1,220 mg/kg 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	Very toxic to aquatic life with long lasting effects.		
TOXICITY TO FISH	LC <sub>50</sub> , Rainbow Trout 96 h	124-28-7 112926-00-8	0.18 mg/l > 10,000 mg/l
TOXICITY TO DAPHNIA	EC <sub>50</sub> Daphnia magna, 48 h	124-28-7 112926-00-8	Not established > 10,000 mg/l
TOXICITY TO ALGAE	EC <sub>50</sub> Freshwater Algae, 72 h	124-28-7 112926-00-8	Not established > 10,000 mg/l
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.

#### **U.S. DOT**

Proper Shipping Name: Amines, solid, corrosive, n.o.s. (Alkyl (C12-C14) dimethylamines) (*absorbed onto silica*)  
Classification: 8  
UN#: 3259  
Packing Group: II  
Hazard Label: Corrosive Solid, Marine Pollutant

#### **ICAO / IATA**

Proper Shipping Name: Amines, solid, corrosive, n.o.s. (Alkyl (C12-C14) dimethylamines) (*absorbed onto silica*)  
Classification: 8  
UN#: 3259  
Packing Group: II  
Hazard Label: Corrosive Solid, Marine Pollutant

#### **IMDG**

Proper Shipping Name: Amines, solid, corrosive, n.o.s. (Alkyl (C12-C14) dimethylamines) (*absorbed onto silica*)  
Classification: 8  
UN#: 3259  
Packing Group: II  
Environmental Hazard: Marine Pollutant  
Hazard Label: Corrosive Solid, Marine Pollutant

#### **ADR/RID**

Proper Shipping Name: Amines, solid, corrosive, n.o.s. (Alkyl (C12-C14) dimethylamines) (*absorbed onto silica*)  
Classification: 8  
UN#: 3259  
Packing Group: II  
Environmental Hazard: Marine Pollutant  
Hazard Label: Corrosive Solid, 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	X
IECSC	Inventory of Existing Chemical Substances in China	X
INSQ	National Inventory of Chemical Substances in Mexico	X
NDSL	Canadian Non-Domestic Substances List	
NZIoC	New Zealand Inventory of Chemicals	X
PICCS	Philippines Inventory of Chemicals and Chemical Substances	X
TCSI	Taiwan Chemical Substances List	X
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.

##### **REACH**

This product is not REACH registered, and EU import volumes may be restricted.

##### **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	Yes
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).

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.

**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).

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REASON FOR REVISION New SDS.

SDS PREPARED BY Glen Pearson

SDS APPROVED BY Robert Auerbach