

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

MANUFACTURER/SUPPLIER

PRODUCT NAME Escat ST-70

MFR.'S CODE ID/SYNONYMS Escat ST-70, Octaflow ST-70
CAS NUMBER Mixed (see Sections 3 and 8)

PRODUCT USE Catalyst

RESTRICTIONS ON USE For industrial use only

ADDRESS 807 North Main Street, Calvert City, KY 42029 USA

Estron Chemical, Inc.

GENERAL INFORMATION (270) 395-4195

EMERGENCY TELEPHONE CHEMTREC (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: Danger

GHS Classification

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Physical	Health	Environmental			
		Hazardous to the Aquatic Environment, Acute Hazard – Category 3			

GHS Label



Health Hazard



Exclamation Mark



Hazard Statements

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H361: Suspected of damaging fertility or the unborn

child

H402: Harmful to aquatic life

May form combustible dust concentrations in air.

Precautionary Statements

Prevention

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

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

Response

P302+352: IF ON SKIN: Wash with soap and water.

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.

P308+313: IF exposed or concerned: Get medical advice/attention.

P321: Specific treatment (see supplemental first aid instructions on this label) P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P362+P364: Take off immediately all contaminated clothing and wash it before reuse.

Storage 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

INGREDIENTS	CAS#	%	CLASSIFICATION	H CODES
Stannous Octoate	301-10-0	68 - 72	Eye Damage/Irritation – Category 1	H318
[Hexanoic acid, 2-ethyl-, tin(2+)			Skin Sensitization – Category 1	H317
salt (2:1)]			Toxic to Reproduction – Category 2	H361
			Hazardous to the Aquatic Environment, Acute Hazard	H402
			- Category 3	
Silica, Amorphous, Precipitated	112926-00-8	28 - 32	OSHA Combustible Dust (when combined with	None
			Stannous Octoate)	

Contains no detectable crystalline silica (detection limit <0.1% by weight).

(See Section 8 for Exposure Limits)

SECTION 4: FIRST-AID MEASURES

SYMPTOMS OF EXPOSURE

ACUTE Serious eye damage. Skin irritiation or allergic reaction. Temporary nose or throat irritation.

DELAYED Allergic skin reaction. Stinging, tearing, redness and swelling of the eyes. Coughing or other

irritiation of the respiratory tract. Dryness, redness or burning of the skin.

INHALATION May cause irritation or asthma-like symptoms. Remove to fresh air. If not breathing, if breathing is

irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

SKIN CONTACT May cause an allergic skin reaction. Take off immediately all contaminated clothing and wash it

before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash exposed skin thoroughly with soap and water for at least 15 minutes. Apply skin lotion or other

moisturizing balm to the affected area. If skin irritation or a rash occurs consult a doctor.

EYE CONTACT Causes serious eye damage. Rinse cautiously with water for several minutes. Remove contact lenses

if present and easy to do – continue rinsing.

INGESTION Ingestion is likely to be harmful or have adverse effects. 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 LEL: No test data available

UEL: No test data available

HAZARDOUS COMBUSTION PRODUCTS Carbon monoxide, carbon dioxide and tin oxides.

EXTINGUISHING MEDIA Dry Chemical, Water Fog, and CO₂

UNUSUAL FIRE AND EXPLOSION HAZARDS May represent a combustion hazard if dust from this material is allowed to

accumulate in the air. Stannous octoate not flammable, but will burn at high

temperatures.

SPECIAL FIRE FIGHTING PROCEDURES None known.

SPECIAL PROTECTIVE EQUIPMENT AND
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. 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 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 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, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible

Particulate Solids, for additional information regarding safe handling.

CONDITIONS FOR SAFE STORAGE Store locked up. Keep container tightly closed in a dry and well ventilated place. Best

when stored at temperatures controlled to be below 30 °C (85 °F).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS	CAS #	%	ACGIH TLV	OSHA PEL
Stannous Octoate	301-10-0	68 - 72	0.1 mg/m^3	0.1 mg/m^3
Silica, Amorphous	112926-00-8	28 - 32	10 mg/m^3	5 mg/m ³ (Respirable)

APPROPRIATE ENGINEERING CONTROLS Showers and use only outdoors or in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE Safety glasses, goggles or face shield.

SKIN Impervious protective gloves and clothing as appropriate to prevent skin contact for the exposure

activity.

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, hands and any other exposed skin areas before breaks and at the end

of work. Wash contaminated clothing before re-use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE White powder ODOR Very 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 400 °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 1.44-1.52 @ 20 °C SOLUBILITY IN H₂O None

PARTITION COEFFICIENT AUTOIGNITION

(n-octanol/water) No test data available TEMPERATURE No test data available

DECOMPOSITION

TEMPERATURE > 250 °C VISCOSITY Solid material

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, direct sunlight, material dust accumulation.

INCOMPATIBILE PRODUCTS Strong acids, strong bases, strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide and tin oxides.

POSSIBILITY OF HAZARDOUS REACTIONS Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

SYMPTOMS OF EXPOSURE

ACUTE Serious eye damage. Skin irritiation or allergic reaction. Temporary nose or throat irritation.

DELAYED Allergic skin reaction. Stinging, tearing, redness and swelling of the eyes. Coughing or other

irritiation of the respiratory tract. Dryness, redness or burning of the skin.

ACUTE TOXICITY

INHALATION May cause irritation or asthma-like symptoms.

SKIN May cause an allergic skin reaction.

EYES Causes serious eye damage.

INGESTION Ingestion is likely to be harmful or have adverse effects.

INHALATION TOXICITY LD50 Rat Organotin No test data available, known irritant

Silica Not established

 $DERMAL\ TOXICITY \qquad LD_{50}\ Rabbit \qquad Organotin \qquad >2,000\ mg/kg$

Silica Not established

SKIN IRRITATION Draize, Rabbit, 24 hours No data available, known irritant for skin and mucous

membranes.

EYE IRRITATION Draize, Rabbit, 24 hours No data available, known irritant.

ORAL TOXICITY LD50 Rat Organotin No test data available

Silica Not established

SENSITIZATION May cause an allergic skin reaction.

CHRONIC EFFECTS

CARCINOGENICITY No component of this product present at levels greater than or equal

to 0.1% is identified as probable, possible or confirmed human

carcinogen by IARC, ACGIH, NTP or OSHA.

MUTAGENIC EFFECTS None known

REPRODUCTIVE TOXICITY Suspected of damaging fertility or the unborn child

TARGET ORGAN EFFECTS No test data available

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY Harmful to aquatic life.

TOXICITY TO FISH LC50 Oncorhynchus mykiss (rainbow trout), 96 h Organotin > 116 mg/l

Silica >10,000 mg/l

TOXICITY TO DAPHNIA EC50 Daphnia magna, 24 h Organotin 56 mg/l

Silica >10,000 mg/l

TOXICITY TO ALGAE EC₅₀ Pseudokirchneriella subcapitata, 72 h Organotin 6.9 mg/l

Silica Not established

PERSISTANCE AND DEGRADABILITY Organotin biodegradability >95% (5 days)

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":

AIIC	Australian Inventory of Industrial Chemicals	X
DSL	Canadian Domestic Substances List	X
ECL	Korean Existing Chemicals List	X
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	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.

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

to limitation.

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.

WHMIS Class D Division 2 Subdivision B – Toxic material causing other toxic effects.

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 Yes
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.

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

February 16, 2023, replaces the September 20, 2022 version.

REASON FOR REVISION

Updated the Registry Listings in Section 15.

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