

## Material Safety Data Sheet

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### Section 1-Product Information

Product name	EDC.HCl
Product Cat. No.	C01523

### Section 2-Composition / Information on Ingredients

Substance/Preparation:	Substance
Ingredient Name	1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride
SARA 313	No
CAS	25952-53-8
Formula	C <sub>8</sub> H <sub>17</sub> N <sub>3</sub> .HCl

### Section 3- Hazards Identification

Emergency Overview	
Caution	The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.
HMIS Rating	
Health	3
Flammability	0
Reactivity	0
NFPA Rating	
Health	2
Flammability	0
Reactivity	1
Potential Health Effects	
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes serious eye irritation.
Ingestion	May be harmful if swallowed.

### Section 4- First Aid Measures

Oral Exposure	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation Exposure	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
Dermal Exposure	In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.
Eye Exposure	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

### Section 5- Fire Fighting Measures

Flash Point	Not available
Autoignition Temp	Not available
Flammability	Not available
Extinguishing Media	
Suitable	Carbon dioxide, dry chemical powder, or appropriate foam.
Fire Fighting	Water spray

Protective Equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)	Emits toxic fumes under fire conditions.

## Section 6- Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill	Evacuate area
Procedure(s) of Personal Precaution(s)	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves
Methods for Cleaning up	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## Section 7-Handling and Storage

Handling	
User Exposure	Avoid contact and inhalation. Do not get in eyes, on skin, on clothing.
Storage	
Suitable	Keep tightly closed.
Store at room temperature	

## Section 8-Exposure Controls/Personal Protection Equipment

Engineering Controls	Mechanical exhaust required
Personal Protective equipment	
Respiratory	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.
Other	Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
General Hygiene Measures	Wash thoroughly after handling

## Section 9- Physical and Chemical Properties

Appearance	
Physical State	White crystalline powder
Property	
Molecular Weight	191.7 AMU
pH	Not available
BP/BP Range	Not available
MP/MP Range	110-113°C
Freezing Point	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Saturated Vapor Conc.	Not available
SG/Density	Not available
Bulk Density	Not available
Odor Threshold	Not available
Volatile%	Not available
VOC Content	Not available
Water Content	Not available
Solvent Content	Not available
Evaporation Rate	Not available
Viscosity	Not available
Surface Tension	Not available
Partition Coefficient	Not available
Decomposition Temp.	Not available
Flash Point	Not available
Explosion Limits	Not available

Flammability	Not available
Autoignition Temp	Not available
Refractive Index	Not available
Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	5% in water, clear and colorless

### Section 10- Stability and Reactivity

Stability	Stable
Materials to Avoid	Strong oxidizing agents, Strong acids
Hazardous Decomposition Products	
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide, Hydrogen chloride gas.

### Section 11- Toxicological Information

Route of Exposure	
Inhalation	Lung irritation
Irritation and corrosion	
Sensitization	Remarks: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Chronic exposure	Not available
Conditions Aggravated by Exposure	The toxicological properties have not been thoroughly investigated.

### Section 12- Ecological Information

No data available.

### Section 13- Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
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### Section 14- Transport Information

DOT	
Proper Shipping Name	None
Non-Hazardous for Transport	This substance is considered to be non-hazardous for transport.
IATA	
Non-Hazardous for Air Transport	Non-hazardous for air transport

### Section 15- Regulatory Information

US Classification and Label Text	
Indication of Danger	Irritant
Risk Statements	Moderate skin irritant, Severe eye irritant, Moderate respiratory irritant
United States Regulatory information	
SARA 302 Components	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard
Canada Regulatory information	
WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL	Yes
NDSL	No

## **Section 16- Other Information**

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.