

# Safety Data Sheet

CSC-7105

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## 1. IDENTIFICATION

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**Product Name:** CSC-7105  
**Chemical Name:** CATIONIC POLYAMINE  
**Description:** Clear, colorless to amber liquid with amine odor  
**Recommended Use:** Cationic Polyamine  
**Restrictions on Use:** For industrial use only.

**Revised:** 11/4/2019

### COMPANY IDENTIFICATION

CSC TECHNOLOGIES, INC.  
14621 RED LION DRIVE  
WOODBINE, MD 21797

**PHONE NUMBER:** 301-502-8722

### EMERGENCY PHONE NUMBERS

CHEMTREC (800) 424-9300  
Outside USA: CHEMTREC COLLECT (703) 527-3887

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## 2. HAZARD(S) IDENTIFICATION

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### GHS Classification:

Hazardous to the aquatic environment, long-term hazard - Category 2

**Signal Word:** No signal word.

**Symbol(s):**



### Hazard Statements:

Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

#### Prevention

Avoid breathing dusts or mists. Wash hands, forearms, gloves and contaminated surfaces thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

#### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CONTROL CENTER or doctor for treatment advice if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CONTROL CENTER or doctor for treatment advice if you feel unwell.

Collect spillage.

#### Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

#### Disposal

Dispose of contents/container in accordance with local, regional, national and international regulations.

**Hazards Not Otherwise Classified:** None Known.

**Percentages of Components with Unknown Acute Toxicity:** None Known.

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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**Substances /Mixtures**

Aqueous solution of Polymeric Quaternary Amine.

**No hazardous ingredients****Further information**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard  
29CFR 1910.1200.

\* Exposure limit and regulatory information in Sections 8 & 15

\*\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

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### 4. FIRST AID MEASURES

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**Eye Contact:** Immediately flush with clean, cool water for 15 minutes and if irritation persists, get medical attention.

**Skin Contact:** Immediately wash skin with soap and plenty of water while removing contaminated clothing, for at least 15 minutes. If irritation persists, get medical attention. Launder contaminated clothing before reuse.

**Inhalation:** Remove victim to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek medical attention. If not breathing, give artificial respiration via a suitable mechanical device such as a bag and mask. Do not use mouth-to-mouth resuscitation.

**Ingestion:** Do not induce vomiting. Rinse mouth with copious quantities of water first and get immediate medical attention. Drink several glasses of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways clear.

**Note to Physician:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

**Most Important Symptoms/Effects:**

**Eye Contact:** May cause mild irritation depending on length of exposure, solution concentration, and first aid measures.

**Skin Contact:** Prolonged contact may cause mild irritation.

**Inhalation:** Not expected to be harmful or irritating if inhaled.

**Ingestion:** Low oral toxicity. May cause discomfort or gastrointestinal disturbance.

**Indication of Immediate Medical Attention and Special Treatment, if Necessary:**

Other than acute, none known. See section 11 for toxicological information.

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### 5. FIRE FIGHTING MEASURES

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**Suitable (and Unsuitable) Extinguishing Media:** Water spray or fog, foam, dry chemical or carbon dioxide

**Specific Hazards Arising from the Chemical:** Product may be irritating to the eyes, skin, and respiratory system. Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat. If evaporated to dryness, some product residuals may burn. Thermal decomposition may release oxides of carbon and nitrogen and toxic fumes of ammonia and hydrogen chloride.

**Special Protective Equipment and Precautions for Fire-Fighters:** Wear self-contained breathing apparatus and full turn-out gear. Approach fire from upwind direction. If possible, move containers

away from fire. Cool fire exposed containers with water spray. If containers rupture or leak, product may evolve irritating or toxic gas under extreme heat. Contain runoff.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Spill Containment and Clean-up Instructions:

Wear suitable protective equipment found in section 8. Small spills may be flushed with copious quantities of water, preferably to a sanitary sewer or waste treatment facility. Larger spills may be absorbed in sawdust or other absorbent and sweepings disposed of in an approved landfill. The area may then be flushed with copious quantities of water. Floor may be slippery; use care to avoid falling. Avoid release of this product into the environment to prevent contamination of soil, sewers, natural waterways and/or groundwater. See Section 12 for Ecological Information.

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## 7. HANDLING AND STORAGE

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### Handling and Storage:

Store in a cool, dry, well ventilated area, between 10°C and 49°C. Keep containers tightly closed when not in use and follow all recommended safety precautions when handling the material. Keep out of sun and away from heat or open flame. Keep away from incompatible materials. See Section 10 for incompatible materials.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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**Engineering Controls:** General ventilation satisfactory. Mechanical may be required to keep concentration below maximum airborne exposure limits in confined areas. Use closed systems when possible. Provide local exhaust ventilation where vapor or mist may be generated. Ensure compliance with applicable exposure limits.

### PERSONAL PROTECTION EQUIPMENT

**Respiratory:** Not normally required if good ventilation is maintained. Otherwise, wear self-contained breathing apparatus

**Eyes and Face:** Chemical resistant goggles or face shield.

**Hands and Skin:** Chemical resistant rubber, neoprene latex or PVC

**Other Protective Equipment:** Eyewash station in area of use. Wear long sleeve shirt, long pants, and boots. Handle in accordance with good industrial hygiene and safety practice.

### EXPOSURE GUIDELINES

#### Exposure Limits:

COMPONENT	TLV
N.A.	

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance and Odor:</b>	Clear, colorless to amber liquid with amine odor		
<b>Odor Threshold:</b>	N.D.	<b>Vapor Pressure:</b>	ND
<b>pH ():</b>	4.0 - 7.0	<b>Vapor Density:</b>	N.A.
<b>Freeze Point:</b>	< -18°C (-1°F)	<b>Specific Gravity(@22°C):</b>	1.10 - 1.20
<b>Boiling Point:</b>	> 100°C (212°F)	<b>Solubility in Water:</b>	Complete
<b>Flash Point:</b>	> 93°C (199°F)	<b>Partition Coefficient:</b>	N.D. (n-octanol/water)
		<b>Auto-ignition Temperature:</b>	N.D.
<b>Evaporation Rate:</b>	ND	<b>Decomposition Temperature:</b>	N.D.
<b>Flammability (solid, gas):</b>	No	<b>Viscosity:</b>	N.D.
<b>Flammable Limits in Air:</b>	LFL – N.A.		
	UFL – N.A.		

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**10. STABILITY AND REACTIVITY**

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**Reactivity:** Not normally reactive at normal temperatures and pressure.

**Chemical Stability:** Stable under normal conditions

**Possibility of Hazardous Reactions:** Will not occur under normal conditions.

**Conditions to Avoid:** Avoid excessive heat, sparks or open flames.

**Incompatible Materials:** Strong oxidizing agents, aluminum, iron, copper, and acids.

**Hazardous Decomposition Products:** Thermal decomposition may release oxides of carbon and nitrogen and toxic fumes of ammonia and hydrogen chloride.

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**11. TOXICOLOGICAL INFORMATION**

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**Ingestion Testing:** Rat, LD50: > 6,160 mg/kg

**Skin Testing:** Rat, LD50: > 10,000 mg/kg

**Inhalation Testing:** Rat, LC50/4hr: > 20 mg/l

**CHRONIC TOXICITY DATA**

**Sensitization Testing:** Not sensitizing.

**Other Testing:** This product is not expected to be mutagenic, carcinogenic or toxic to reproduction.

**Routes of Exposure:** Eyes, Ingestion, Inhalation, Skin.

**Eye Contact:** May cause mild irritation depending on length of exposure, solution concentration, and first aid measures.

**Skin Contact:** Prolonged contact may cause mild irritation.

**Inhalation:** Not expected to be harmful or irritating if inhaled.

**Ingestion:** Low oral toxicity. May cause discomfort or gastrointestinal disturbance.

**Medical Conditions Aggravated by Exposure:** None known.

**Chronic Effects from Repeated Overexposure:** Other than short term effects, none established.

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**12. ECOLOGICAL INFORMATION**

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**Aquatic Toxicity Data:**

Invertebrate: Daphnia magna, EC50/48hr: 10 - 100 mg/l

Fish: Zebrafish, LC50/96hr: 10 - 100 mg/l

**Product Fate Data:** This product is not expected to bioaccumulate.

**Biodegradation Data:** Not readily biodegradable.

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal:** Dispose of in accordance with local, regional, national and international regulations.

Contact the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Triple rinse container (or equivalent) promptly after emptying and offer for reconditioning if appropriate. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal.

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**14. TRANSPORT INFORMATION**


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**US DEPARTMENT OF TRANSPORTATION (DOT) INFORMATION**

NOT REGULATED

**VESSEL TRANSPORT (IMO/IMDG)**

NOT REGULATED

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**15. REGULATORY INFORMATION**


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**US FEDERAL REGULATIONS****TSCA:** All ingredients listed or exempt from listing.**CERCLA and/or SARA RQ:** No ingredients listed in this section.**SARA Section 302 Hazard Class:** No ingredients listed in this section.**SARA Section 311/312 Chemicals:**

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

**SARA Section 313 Chemicals:** No ingredients listed in this section.**STATE REGULATIONS**

This product does not contain any ingredients known to the State of California to cause cancer.

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**16. OTHER INFORMATION**


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**HAZARD RATING SUMMARY**

Hazard Rating System:	NFPA	CODE TRANSLATION
Health:	1	0 = Minimal Hazard
Flammability:	1	1 = Slight Hazard
Reactivity:	0	2 = Moderate Hazard
Special:		3 = Severe Hazard
		4 = Extreme Hazard

**Other Precautions:** This product has been designed for use as a coagulant aid in specific types of water treatment systems and should be used only in accordance with the instructions provided by the technical representative servicing the facility.

**SDS REVISION SUMMARY**

Revised Date	Revision Notes
11/4/2019	GHS Version 1.0: Supersedes: 5/27/15

**ABBREVIATION CODE SUMMARY**

- N.A. – Not Applicable
- N/A – Not Available
- N.D. – Not Determined
- N.E. – None Established

*Disclaimer: The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.*