

# MATERIAL SAFETY DATA SHEET

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**PRODUCT NAME:** ACT CT-405

**MSDS NUMBER:** 111798CT405

**PRODUCT CODE:** Closed Loop Treatment

**MSDS DATE:** 11/17/98

**KEY NUMBER:** CT-405

**EMERGENCY PHONE #'s:** (800) 255-3924 (ChemTel)



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<b>HEALTH</b>	<b>1</b>	Slightly Hazardous
<b>FIRE</b>	<b>0</b>	Will Not Burn
<b>REACTIVITY</b>	<b>0</b>	Stable
<b>SPECIFIC</b>		-

## 1. IDENTIFICATION

See Addendum:

Ref. PAGE:

**Chemical Name:** ACT CT-405 Closed Loop Inhibitor

**Chemical Family:** Closed Loop Inhibitor

**CAS #:** Mixture

**Chemical Formula:** Mixture

**CAS Name:** Mixture

**Molecular Weight:** Mixture

**Synonyms / Common Name:** Buffered borate nitrite

**DOT Information:** D.O.T. Non-regulated water treatment liquid compound

## 2. PHYSICAL DATA

See Addendum:

Ref. PAGE:

**Appearance:** Pale yellow liquid

**Color:** Pale yellow

**State:** Liquid

**Odor Characteristics:** Bland

**pH:** 11.8

**Viscosity:** ND

**Specific Gravity (Water = 1):** 1.185

**Vapor Density (Air = 1):** ND

**Vapor Pressure:** ND

**Melting Point:** NA

**Boiling Point:** >212 °F

**Flash Point:** NA

**Freezing Point:** ND

**Percent Volatility:** ND

**Evaporation Rate (BAC = 1):** <1

**Solubility in Water:** Miscible

**Solubility in Oil:** ND

**Solubility in Acetone:** ND

## 3. INGREDIENTS

See Addendum:

Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Sodium nitrite	7632-00-0	Sodium nitrite	None	

## 4. FIRE AND EXPLOSION HAZARD DATA

See Addendum:

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**Flash Point:** NA

**Flammable Limits** Lower NA  
in Air % by volume: Upper NA

**Extinguishing Media:** Water spray, foam, carbon dioxide, dry chemical

**Special Fire Fighting** None  
**Procedures:**

**Unusual Fire &** None  
**Explosion Hazards:**

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**5. HEALTH HAZARD DATA** See Addendum:

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**Threshold Limit Value:** None**Effects of Overexposure:****Inhalation:** May cause irritation of upper respiratory passages**Skin Contact:** May cause skin irritation on sensitive individuals**Eye Contact:** May cause eye irritation with extended contact**Ingestion:** Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps and diarrhea, and perhaps unconsciousness, or death**Delayed Effects:** Toxic if ingested**Medical Conditions Aggravated by Exposure** NE**6. FIRST AID MEASURES** See Addendum:

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**Inhalation:** If breathing stops, give artificial respiration. Call a physician immediately**Skin Contact:** Immediately remove clothing under a safety shower. Flush all affected areas with large amounts of water for at least 15 minutes.**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Obtain medical attention immediately.**Ingestion:** Do not induce vomiting. If conscious, immediately give large quantities of water. Call a physician or the nearest Poison Control Center immediately.**NOTES TO PHYSICIAN:** None**7. REACTIVITY DATA** See Addendum:

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**Stability:** Stable**Incompatibility: (materials to avoid)** Strong oxidizers, metals, acids, alkalis, amines, halogens, halogen compounds, anhydrides, and aldehydes**Hazardous Combustion or Decomposition Products** Carbon monoxide, carbon dioxide, ammonia, and oxides of nitrogen**Hazardous Polymerization:** Will not occur**Conditions to Avoid:** Do not mix with other industrial chemicals**8. SPILL OR LEAK PROCEDURES** See Addendum:

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**Actions to take for Leaks & Spills** For small spills mop or wipe up. For large spills, contain by diking with soil or other absorbent material. Keep out of sewers, drains, surface waters, and soil.**Waste Disposal Method:** Dilute acid (preferably acetic acid) may be used to neutralize the final traces immediately after flushing. Use D.O.T. approved containers for waste disposal. Dispose of all waste according to Federal, State, and Local regulations.



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**9. SPECIAL PROTECTION INFORMATION**

See Addendum:

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**Respiratory Protection:** NIOSH approved respirator in the absence of adequate environmental controls at the point of use.

**Eye Protection:** Chemical goggles and face shield

**Skin Protection:** Rubber Gloves

**Other Clothing:** Rubber Apron and Protective Clothes

**Other Equipment:** None

**Engineering Controls:** Normal

**10. HANDLING AND STORAGE**

See Addendum:

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**Special Precautions:** Do not get in eyes, on skin, or on clothing

**Other Precautions:** An eyewash and safety shower should be nearby and ready for use

**11. REGULATORY INFORMATION**

See Addendum:

Ref. PAGE: 4

**Workplace Classification:** NA

**12. TOXICOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Acute Data:** NE

**Reproductive /  
Teratology Data** NE

**13. ECOLOGICAL INFORMATION**

See Addendum:

Ref. PAGE:

**Fate in the Environment:** NE

**14. DISPOSAL CONDITIONS**

See Addendum:

Ref. PAGE:

**Procedures:** Dispose of all waste according to Federal, State, and Local regulations.

**15. TRANSPORTATION INFORMATION**

See Addendum:

Ref. PAGE:

**DOT Classification:** Chemicals, N.O.S. (Non-Regulated)

**Warning Labels:** None



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**ADDENDUM for Section - 11. REGULATORY INFORMATION - Ref. Pg. 3**

No RECRA Listed Hazardous Constituents

CERCLA Status: Not regulated

SARA/Title III - Section 304 Emergency notification reporting: This product does not contain a Section 304 listed hazardous substance for emergency release notification.

SARA/Title III - Section 313 Toxic chemical release reporting. This product does not contain a Section 313 listed toxic chemical subject to release reporting requirements.

TSCA Inventory Status - All chemical components are listed on TSCA inventory.

California Proposition 65 Status - This product does not contain chemicals currently on the California list of known carcinogens/and or reproductive toxins.

**ADDENDUM for Section - Other Information**

NA = Not Applicable

ND = Not Determined

NE = Not Established

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**ADDENDUM for Section -**