

Material Safety Data Sheet #199 Steamline Treatment

Section 1. Chemical Product and Company Identification

Product Name	#199 Steamline Treatment	
Product Number	NTA 199 SLT	
Manufacturer/ Supplier	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
Phone Number	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
D.O.T. Emergency Phone:	1-800-633-8253	
Date of Preparation	January 29, 2013	Revision Number 1.0

Section 2. Hazards Identification

Emergency overview **This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

DANGER!

Keep out of reach of children.
Keep container closed during storage. Ensure that eyewash stations and safety showers are proximal to the work-station location. S24/25- Avoid contact with skin and eyes.

Potential Acute Health Effects Eye contact can result in corneal damage or blindness. Corrosive to skin and eyes on contact. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.

Routes of Entry Skin contact. Ingestion. Eye Contact.

Eyes Contact with the eyes can cause moderate to severe irritation. Can cause burns, tearing, corneal damage and blindness. This product may cause irreversible eye damage upon contact depending on the length of exposure, solution concentration and first aid measures. May cause conjunctivitis.

Skin Contact with the skin may cause severe irritation with burns, ulcers, and scarring. This materials may cause destruction of body tissue. Prolonged, widespread or repeated contact may cause result in absorption of potentially harmful amounts of the material.

Inhalation Inhalation may result in respiratory irritation and coughing. This material may cause difficulty breathing. May cause chest pain. Inhalation of this product may be fatal.

Ingestion Ingestion causes severe burns to the mouth, throat and digestive tract, along with nausea and vomiting. Extremely corrosive to the mouth and throat. May result in severe chemical burns. May cause severe abdominal pain, nausea, vomiting, and possible collapse.

Medical conditions aggravated by exposure: This product may aggravate Pre-existing skin disorders. Inhalation may aggravate asthma and inflammatory or fibrotic pulmonary disease. Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Potential Chronic Health Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Carcinogenic Effects Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Target Organs

Environmental Effects Not available

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Morpholine	110-91-8	12%		

Section 4. First Aid Measures

Eye Contact	Eye contact can result in corneal damage or blindness. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. SEEK IMMEDIATE MEDICAL ATTENTION.
Skin Contact	Wash gently and thoroughly the contaminated skin with running water and non abrasive soap for 15 minutes. Remove contaminated clothing. SEEK IMMEDIATE MEDICAL ATTENTION.
Inhalation	Get to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Seek medical attention if symptoms persist.
Ingestion	Immediately call a physician. DO NOT INDUCE VOMITING! Have conscious person drink 2-3 (16 oz.) glasses of water. Do not give anything to an unconscious person.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	Not available

Section 5. Fire Fighting Measures

Flammability	No specific information is available in our database regarding the flammability of this product is presence of various materials.
Fire Fighting Media and instructions	Use water spray, carbon dioxide, dry chemical, or foam. Cool fire-exposed containers with water spray. Use fog nozzles if water spray. Use fog nozzles if water used. This material creates a fire hazard because it floats on water. IF possible, try to contain floating material.
Products of Combustion	Not available
Special Remarks on Fire Hazards	During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion.
Special Remarks on Explosion Hazards	During a fire, irritating and highly toxic gasses may be generated by thermal decomposition or combustion.
Sensitivity to Mechanical Impact	N/A
Sensitivity to Static Discharge	N/A

Protection of Fire Fighters See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Face shield. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Environmental Precautions	Dispose of in accordance with all local, state and federal regulations.
Methods for Clean Up	Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Contain spill. Soak up in an inert absorbent & place in a leak-proof container. Seal container and label properly for legal disposal.

Section 7. Handling and Storage

Precautions	Do not cut, drill or weld on or near full, partially full or empty drums. Keep away from heat, sparks and open flames. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Incompatibility	Avoid contact with strong oxidizers, acids, metals, combustible materials. Nitrites
Storage	Store in original shipping containers. Keep closed when not in use. Protect from extreme heat and cold. Shelf life 1 year. Corrosive materials should be stored in a separate safety storage cabinet or room. Keep out of reach of children. For Institutional and Commercial Use

Keep out of reach of children.

Keep container closed during storage. Ensure that eyewash stations and safety showers are proximal to the work station location. S24/25- Avoid contact with skin and eyes.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	
Personal Protection	Good general ventilation should be sufficient to control airborne levels.
Eyes	Chemical safety or splash goggles
Body	Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Emergency showers, eye-wash stations, and fire blankets should be accessible.
Respiratory	If engineering controls do not maintain airborne concentrations below recommended limits, use a NIOSH-approved respirator for organic vapors. Wear appropriate respirator when ventilation is inadequate.
Hands	Wear protective neoprene or rubber gloves
Protective Clothing (Pictograms)	



Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance	Clear to pale yellow, Liquid
Molecular Weight	N/A
Ph	11
Boiling/Condensation Point	129 C (264.2 F)
Melting/Freezing Point	-4.9 C (23.2 F)
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): .95
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): 1.4 mmH @20C
Vapor Density	(Air = 1): 4
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1): 0.2
Dispersion Properties	N/A
Solubility	Complete
The Product is:	
Auto-ignition Temperature	N/A
Flash Points	180 F
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	N/A
Odor	Ammoniacal Fishy
Color	Clear to pale yellow

Section 10. Stability and Reactivity Data

Stability	The product is stable
Incompatibility with Various Substance	Avoid contact with strong oxidizers, acids, metals, combustible materials. Nitrites
Hazardous Decomposition Products	Toxic oxides of carbon dioxide and carbon monoxide. Oxides of nitrogen

Section 11. Toxicological Information

Routes of Entry	Skin Contact. Ingestion. Eye Contact
Toxicity to Animals	
Acute Effects on Humans	
Eyes	Severely corrosive to the eyes. Eye contact can result in corneal damage or blindness.
Skin	Severe skin irritant. Prolonged or repeated contact may cause severe chemical burns.
Inhalation	Irritating to the mucous membranes in the nose, throat, and lungs. May cause coughing, chest pain, and difficulty breathing. Prolonged exposure may result in tissue damage.
Ingestion	Extremely corrosive to the mouth and throat. May result in severe chemical burns. May cause severe abdominal pain, nausea, vomiting, and possible collapse
Chronic Effects on Humans	Prolonged exposure may result in skin burns and ulcerations. Severe over-exposure can produce lung damage, choking, unconsciousness or death.
Special Remarks on Toxicity to Animals	No additional remark
Special Remarks on Chronic Effects on Humans	No additional remark

Section 12. Ecological Information

Ecotoxicity	Not available
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available
Special Remarks on the Products of Biodegradation	Not available

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available

Section 14. Transport Information

**DOT (U.S.A.)
(Pictograms)**



TDG Classification	Shipping Name: Corrosive liquids N.O.S.,(CONTAINS Morpholine), 8 UN 1760, PG II, ERG 154
PIN UN, Proper Shipping Name, PG	Shipping Name: Corrosive liquids N.O.S.,(CONTAINS Morpholine), 8 UN 1760, PG II, ERG 154
Maritime Transportation	Not available
Special Provisions for Transport	Not available

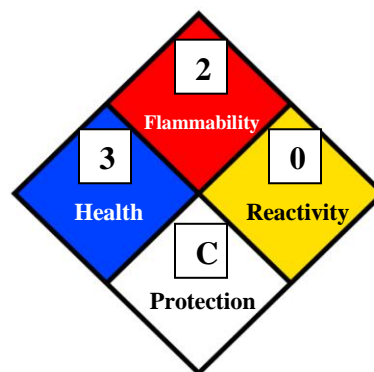
Section 15. Regulatory Information and Pictograms

Regulatory Lists	No products were found.	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	HCS (U.S.A.)	HCS Class: Corrosive Liquid. HCS Class: Toxic.
USA Regulatory Lists	This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL) SARA 302 Extremely Hazardous Substances - Not listed SARA 311 - 1. Immediate (acute) health hazard 2. Delayed (chronic) health hazard SARA 313 Toxic Chemical List – Not listed	
DSD (EEC)	R22- Harmful if swallowed. R35- Causes severe burns.	
International Regulations Lists	No Products were found.	

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



WHMIS (Classification) WHMIS CLASS E: Corrosive Liquid. WHMIS CLASS D-1: Material causing immediate and serious toxic effects.

The Hazard Ranking systems presented on this MSDS sheet provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

