

Material Safety Data Sheet NTS Steam-O-Clean

Section 1. Chemical Product and Company Identification

Product Name	NTS Steam-O-Clean	
Product Number	NTAL SOC25	
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	October 18, 2012	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 Eye irritation

Skin De-fatting of the skin

Inhalation No adverse effects from inhalation

Ingestion Gastrointestinal irritation

Medical conditions aggravated by exposure: 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
Tetra Potassium Pyrophosphate	7320-34-5	<15%		3
Glycol Ether EB	111-76-2	<15%		50/20

Section 4. First Aid Measures

Eye Contact	Flush with water for 15 minutes
Skin Contact	Flush with solution of water and vinegar
Inhalation	None
Ingestion	Drink large volumes of water then a solution of water and vinegar of other mild acid fruit juice. Do not induce vomiting.
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	Non Flammable
Fire Fighting Media and instructions	N/A
Products of Combustion	Not available
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	N/A
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	Contain spill and dilute with water. Wash all surfaces with water.
Environmental Precautions	See Methods for Containment
Methods for Clean Up	Dilute with large volumes of water and flush to sewer

Section 7. Handling and Storage

Precautions	Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Incompatibility	This product will be neutralized if contacted with water
Storage	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 Splash goggles or Face Shield.

Body Apron if desired

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Rubber gloves

Protective Clothing (Pictograms)



Exposure Limits

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Light Yellow Liquid
Molecular Weight	N/A
Ph	9
Boiling/Condensation Point	200 F
Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): 1.077

Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H20 = 1): 0.85
Dispersion Properties	N/A
Solubility	N/A
The Product is:	Alkaline Liquid
Auto-ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	None
Fire Hazards in Presence Of Various Substances	None
Explosion Hazards in Presence of Various Substances	None
Odor	Lemon
Color	Light Yellow

Section 10. Stability and Reactivity Data

Stability	The product is stable
Incompatibility with Various Substance	This product will be neutralized if contacted with water
Hazardous Decomposition Products	Not available

Section 11. Toxicological Information

Routes of Entry	Skin Contact. Ingestion. Eye Contact
Toxicity to Animals	
Acute Effects on Humans	Acute oral toxicity (LD50): 140 mg/kg {Rat}. (Sodium Hydroxide)
Eyes	Eye irritation
Skin	De-fatting of the skin
Inhalation	No adverse effects from inhalation
Ingestion	Gastrointestinal irritation
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 Toxic in concentrated form, practically non toxic diluted or neutralized form due to high PH

BOD5 and COD Not available

Products of Biodegradation Toxic in concentrated form, practically non toxic diluted or neutralized form due to high PH

Toxicity of the Products of Biodegradation Product id practically non toxic

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 Consult local authorities for approved method of container disposal. Read label instructions carefully before using product.

Section 14. Transport Information

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

TDG Classification

PIN UN, Proper Shipping Name, PG Non hazardous

Maritime Transportation Not a "marine pollutant"

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

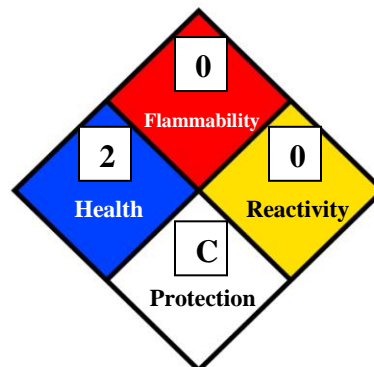
DSD (EEC) R22- Harmful if swallowed.
R35- Causes severe burns.

International Regulations Lists No Products were found.

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

HEALTH	2
FIRE	0
REACTIVITY	0

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.

Section 16. Other Information

Expiry Date 3 (Three Years) from the date of preparation indicated in Section 1.

Validated by **Verified by**

Printed

Information Contact

Notice to Reader:

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Validated on **NuTech Specialties, Inc.**