

Material Safety Data Sheet Lemon Stainless Steel Cleaner

Section 1. Chemical Product and Company Identification

Product Name	Lemon Stainless Steel Cleaner	
Product Number	NTN LSS	
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. For institutional and commercial use.

Potential Acute Health Effects Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-hazardous in case of inhalation.

Routes of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.

Eyes Liquid is practically non irritating to eyes.

Skin Can have de-fatting effect on skin with prolonged or repeated liquid contact.

Inhalation Vapors may cause irritation to nose, throat, and respiratory tract. High vapor concentration may result in central nervous system depression.

Ingestion Ingestion of this product may result in vomiting: aspiration of vomit into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

Medical conditions aggravated by exposure: There is no known effect from chronic exposure to this product.

Potential Chronic Health Chronic effects of ingestion and subsequent aspiration in the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction

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

Target Organs

Environmental Effects

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC₅₀/LD₅₀
Petroleum Distillates	64741-65-7	90		100 MG/M3
Mineral Oil	008042-47-5	10		5 MG/M3

Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, flush with plenty of water for 15 minutes while holding eye lids open. Get medical attention
Skin Contact	Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. DO NOT reuse clothing until cleaned.
Inhalation	Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing.
Ingestion	DO NOT induce vomiting. IF vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention.
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	Combustible Liquid
Fire Fighting Media and instructions	Use water fog, foam, dry chemical or CO ₂ . DO NOT use a direct stream of water. Product will float and can be reignited on surface of water. CAUTION: combustible. DO NOT enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots) including a positive pressure NIOSH approved self contained breathing apparatus. Cool fire exposed containers with water.
Products of Combustion	Carbon Monoxide, and Carbon Dioxide
Special Remarks on Fire Hazards	Container exposed to intense heat from fires should be cooled with water to prevent vapor pressure build up, this could result in container rupture. Container areas exposed to direct flame should be cooled with large quantities of water as needed to prevent weakening of container structure.
Special Remarks on Explosion Hazards	Container exposed to intense heat from fires should be cooled with water to prevent vapor pressure build up, this could result in container rupture. Container areas exposed to direct flame should be cooled with large quantities of water as needed to prevent weakening of container structure.
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	Not available
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. 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. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Environmental Precautions	See Methods for Containment
Methods for Clean Up	CAUTION: Combustible. For large spills, eliminate potential sources of ignition. Wear appropriate respirator and other protective clothing. Shut off source of leak only if safe to do so. Dike and contain, remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material; place in non-leaking containers and seal tightly for proper disposal.

Section 7. Handling and Storage

Precautions	After handling, always wash hands thoroughly with soap and water.
Incompatibility	Strong oxidizing agents
Storage	Keep out of the reach of children. Not for use or storage in or around the home.

Keep out of reach of children.
Keep container closed during storage.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	
Personal Protection	Use explosion-proof ventilation as required controlling vapor concentrations. Air dry contaminated clothing in a well-ventilated area then launder before reusing.
Eyes	Safety glasses or goggles.
Body	Other clothing such as apron to avoid prolonged contact with product. The best protection is provided by nitrile material.
Respiratory	Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1310.134 Use either an atmosphere supply respirator or an air-purifying respirator for organic vapors.
Hands	Chemical resistant gloves

Protective Clothing (Pictograms)



Exposure Limits

See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Yellow Liquid
Molecular Weight	N/A
Ph	N/A
Boiling/Condensation Point	318 F
Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): 0.8
Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): <.1kpa at 20 C
Vapor Density	(Air = 1) 5
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1): N/A
Dispersion Properties	N/A
Solubility	Insoluble
The Product is:	Solvent
Auto-ignition Temperature	N/A
Flash Points	145 F
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	Container exposed to intense heat from fires should be cooled with water to prevent vapor pressure build up, this could result in container rupture. Container areas exposed to direct flame should be cooled with large quantities of water as needed to prevent weakening of container structure.
Explosion Hazards in Presence of Various Substances	Container exposed to intense heat from fires should be cooled with water to prevent vapor pressure build up, this could result in container rupture. Container areas exposed to direct flame should be cooled with large quantities of water as needed to prevent weakening of container structure.
Odor	Lemon
Color	Yellow

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	Avoid strong Oxidizing Agents

Conditions to Avoid	Avoid heat, flame and contact with strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide and unidentified organic compounds may be formed during combustion.

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	
Acute Effects on Humans:	
Eyes	Liquid is practically non irritating to eyes.
Skin	Can have de-fatting effect on skin with prolonged or repeated liquid contact.
Inhalation	Vapors may cause irritation to nose, throat, and respiratory tract. High vapor concentration may result in central nervous system depression.
Ingestion	Ingestion of this product may result in vomiting: aspiration of vomit into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.
Chronic Effects on Humans	There is no known effect from chronic exposure to this product.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

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	Not controlled under TDG (Canada)
PIN UN, Proper Shipping Name, PG	Not applicable

Maritime Transportation Not available

Special Provisions for Transport Not available

Section 15. Regulatory Information and Pictograms

Regulatory Lists No products were found.

Other Regulations Not available, or of its ingredients

Other Classifications **HCS (U.S.A.)** Not controlled under HCS (United States)

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
SARA 313 Toxic Chemical List – Not listed

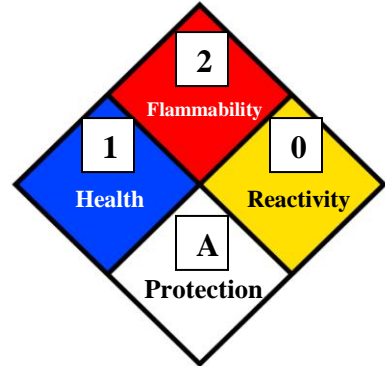
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No Products were found.

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



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



WHMIS (Classification) Not controlled under WHMIS (Canada).

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:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Validated on _____ **NuTech Specialties, Inc.**