



Stainless Steel Solutions, LLC

Stainless Steel Deep Cleaner Safety Data Sheet

Section 1. Identification

Product Name: 625L-Stainless Steel Deep Cleaner

Product Code: 625L-PRO

Recommended use: Stainless Steel Polish

Restrictions on use: Use only as directed

Manufacturer Name: Stainless Steel Solutions, LLC
Address: 3740 Prospect Avenue #3
West Palm Beach, Florida 33404
Telephone number: 888-604-5586

Emergency phone number: 888-604-5586

Date of Preparation: September 13, 2013

Section 2. Hazard(s) Identification

Classification:

Physical	Health
Flammable Liquid Category 2	Eye Irritation Category 2A Specific Target Organ Toxicity – Single Exposure Category 3 (central nervous system)

Danger!



Hazard statements

Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Precautionary statements

Keep away from heat, sparks, open flames, and hot surfaces.
No smoking.
Keep container tightly closed.
Ground and bond container and receiving equipment
Use explosion-proof electrical, ventilating and lighting
equipment.
In case of fire: Use water spray, carbon dioxide, foam or dry
chemical to extinguish.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing mist, vapors or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, eye protection and face protection.
IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Wash skin with soap and water.
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 attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER if you feel unwell.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Concentration
Acetone	67-64-1	95-100%
Dipropylene Glycol Methyl Ether	34590-94-8	1-5%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First-Aid Measures

Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.

Skin contact: Wash skin with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops or persists.

Eye contact: Immediately flush eye with water for 15 minutes while lifting the upper and lower lids. Get medical attention if irritation persists.

Ingestion: If conscious, wash out mouth with water. DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: Causes eye irritation. Prolonged skin contact may cause irritation, drying and defatting of the skin. Inhalation of vapors or mists may cause mucous membranes and upper respiratory tract irritation with central nervous system depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Indication of immediate medical attention and special treatment, if necessary: No immediate medical attention is required.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Use water spray, carbon dioxide, foam or dry chemical. A direct stream of water may spread the fire.

Specific hazards arising from the chemical: This product is highly flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers and structures with water.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment to prevent eye and skin contact.

Environmental precautions: Prevent spill from entering sewers and water courses. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Evacuate spill area and keep unprotected personnel away. Remove all sources of ignition. Ventilate area with explosion proof equipment. Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Use non-sparking tools and equipment. If spill has not ignited, use water spray to disperse the vapors and protect personnel attempting to stop leak.

Section 7. Handling and Storage

Precautions for safe handling: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep product away from heat, sparks, flames and all other sources of ignition. Do not permit smoking in use or storage areas. Use with non-sparking tools and explosion proof equipment. Electrically bond and ground containers for transfer.

Do not cut, drill, grind or weld on or near containers, even empty containers. Empty containers retain product residues can be hazardous. Follow all MSDS precautions when handling empty containers.

Conditions for safe storage, including any incompatibilities: Store in accordance with regulations for the storage of flammable liquids. Store in a dry, well ventilated area away from heat, direct sunlight and all sources of ignition. Store away from oxidizers and other incompatible materials.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Acetone	1000 ppm TWA OSHA PEL 500 ppm TWA ACGIH TLV 750 ppm STEL ACGIH TLV
Dipropylene Glycol Methyl Ether	100 ppm, skin TWA OSHA PEL 100 ppm, skin TWA ACGIH TLV 150 ppm STEL ACGIH TLV

Appropriate engineering controls: Use with adequate local exhaust ventilation to maintain exposures below the occupational exposure limits.

Personal Protective Equipment:

Respiratory protection: If the exposure limits are exceeded a NIOSH approved organic vapor respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin protection: Butyl rubber or other impervious gloves are recommended to prevent skin contact.

Eye protection: Chemical safety goggles should be worn if contact is possible.

Other: Impervious clothing as needed to prevent contact. A safety shower and eye wash should be available in the immediate work area.

Section 9. Physical and Chemical Properties
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Appearance: Clear, colorless liquid.

Odor: Fruity odor.

Odor threshold: 62 ppm (acetone)	pH: Not applicable
Melting point/freezing point: -138.6 / -94.8°C	Boiling point: 113°F / 56°C
Flash point: 1.4°F / -17°C (acetone)	Evaporation rate: Faster than water
Flammability (solid, gas): Not flammable	
Flammable limits: LEL: 1.1% (dipropylene glycol methyl ether)	UEL: 12.8% (acetone)
Vapor pressure: 180 mmHg @ 20°C	Vapor density: >1
Relative density: 0.8	Solubility in Water: Miscible
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: 408°F / 209°C (dipropylene glycol methyl ether)
Decomposition temperature: Not available	

Section 10. Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable

Possibility of hazardous reactions: Contact with strong oxidants generates explosive peroxides.

Conditions to avoid: Keep away from heat sparks and open flames.

Incompatible materials: Avoid oxidizing agents and acids.

Hazardous decomposition products: Thermal decomposition may yield carbon monoxide and carbon dioxide. May attack some plastics.

Section 11. Toxicological Information
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Acute effects of exposure:

Inhalation: Inhalation of vapors or mists may cause mucous membrane and respiratory irritation and central nervous system depression. Symptoms include headache, dizziness, weakness, fatigue, nausea, incoordination, narcosis and unconsciousness

Skin Contact: Prolonged skin contact may cause irritation, drying and defatting of the skin.

Eye Contact: Contact may cause irritation with redness, tearing and pain.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, headache, dizziness, weakness, incoordination, vomiting and diarrhea. Use of alcoholic beverages enhances the harmful effect.

Chronic Effects: Prolonged skin contact may cause irritation, drying and defatting of the skin.

Sensitization: None of the components are sensitizing to animals or humans.

Germ Cell Mutagenicity: None of the components have been shown to cause germ cell mutagenicity.

Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity in studies with laboratory animals.

Carcinogenicity: None of the components are not listed as a carcinogen by IARC, NTP, ACGIH and OSHA.

Acute toxicity values:

Acetone: Oral rat LD50 5800 mg/kg; Inhalation rat LC50 76 mg/L/4 hr; Dermal rabbit LD50 20,000 mg/kg
Dipropylene glycol methyl ether: Oral rat LD50 >5000 mg/kg; Inhalation rat LC50 1667 mg/m³/7 hr; Dermal rabbit LD50 >19020 mg/kg;

Section 12. Ecological Information

This product is not harmful to the aquatic environment under the GHS criteria.

Ecotoxicity values:

Acetone: 96 hr LC50 Pimephales promelas 8120 mg/L; 48 hr LC50 Daphnia pulex 8800 mg/L
Dipropylene glycol methyl ether: 96 hr LC50 Poecilia reticulata >1000 mg/L; 48 hr LC50 daphnia magna 1919 mg/L; 72 hr EC50 Pseudokirchnerella subcapitata > 969 mg/L

Persistence and degradability: Dipropylene glycol methyl ether and acetone are readily biodegradable.

Bioaccumulative potential: Acetone has a calculated BCF of 3.

Mobility in soil: Acetone and dipropylene glycol methyl ether are highly mobile in soil.

Other adverse effects: None known.

Section 13. Disposal Considerations

Dispose in accordance with all local, state and federal regulations.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN1090	Acetone Solution*	3	PG II	None
TDG	UN1090	Acetone Solution	3	PG II	None

Note: If >5,000 pounds of this product in a single container, RQ requirements apply.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

Section 15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product has a Reportable Quantity (RQ) of 5,000 lbs. based on the RQ for Acetone of 5,000 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Fire Hazard, Acute Health Hazard

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:
None

California Proposition 65: This product the following chemicals known to the State of California to cause cancer or reproductive toxicity: None

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CANADA:

Canadian CEPA: All the components of this product are listed on the Canadian DSL.

Canadian WHMIS Classification: Class B Division 2 (Flammable Liquid); Class D Division 2 Subdivision B (Toxic Material Causing other Chronic Effects)

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

Section 16. Other Information

SDS Revision History: New SDS

Date of preparation: 13 September 2013

Date of last revision: None