



Stainless Steel Solutions, LLC

Stainless Steel Pre-Cleaner Safety Data Sheet

Section 1. Identification

Product Name: 584L-Stainless Steel Pre-Cleaner

Product Code: 584L-PRO

Recommended use: Stainless Steel Cleaner

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: October 18, 2013

Section 2. Hazard(s) Identification

Classification: Not classified as hazardous

Label Elements:

Not Hazardous in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS)

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Concentration
Surfactant	Proprietary	1-5%
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. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

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

Eye contact: Flush eye with water 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 unless directed to do so by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

Most important symptoms/effects, acute and delayed: May cause mild irritation. Prolonged skin contact may cause irritation. Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation. Ingestion may cause gastrointestinal irritation and nausea.

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 media appropriate for the surrounding fire.

Specific hazards arising from the chemical: This product is not flammable or combustible.

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: Contain and collect using inert absorbent materials and place in appropriate containers for disposal. Possible slip hazard. Wash spill site with water.

Section 7. Handling and Storage

Precautions for safe handling: Avoid contact with the eyes and prolonged skin contact. Avoid breathing vapors or mists. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

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 a dry, well ventilated area away from oxidizing agents.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Surfactant	None Established
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: Neoprene 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 if splashing is possible.

Section 9. Physical and Chemical Properties

Appearance: Clear, colorless liquid.

Odor: Mild odor.

Odor threshold: Not available	pH: Not available
Melting point/freezing point: <32°F / < 0°C	Boiling point: ~212°F / ~100°C
Flash point: Not flammable	Evaporation rate: ~1 (water = 1)
Flammability (solid, gas): Not flammable	
Flammable limits: LEL: NO	UEL: Not applicable
Vapor pressure: Not available	Vapor density: >1
Relative density: 1.0	Solubility in Water: Disperses
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: None
Decomposition temperature: Not available	

Section 10. Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid contact with heat.

Incompatible materials: Avoid strong alkaline materials, Lewis acids and magnesium and aluminum and their alloys at high temperatures (>212°F / 100°C)

Hazardous decomposition products: Thermal decomposition may yield carbon and nitrogen oxides.

Section 11. Toxicological Information

Acute effects of exposure:

Inhalation: Vapors or mists may cause mucous membrane and upper respiratory irritation.

Skin Contact: Prolonged skin contact may cause irritation.

Eye Contact: May cause irritation with redness and tearing.

Ingestion: Ingestion may cause gastrointestinal irritation and nausea.

Chronic Effects: Excessive overexposure to dipropylene glycol methyl ether may cause anesthetic or narcotic effects including dizziness and drowsiness.

Sensitization: Dipropylene glycol methyl ether was negative in human sensitization studies.

Germ Cell Mutagenicity: Dipropylene glycol methyl ether was negative in an in vitro mammalian chromosome aberration assay.

Reproductive Toxicity: In inhalation studies, pregnant rats and rabbits were exposed to up to 300 ppm of dipropylene glycol methyl ether during gestation. There were no signs of material toxicity, fetotoxicity or teratogenicity at 300 ppm, the highest dose attainable.

Carcinogenicity: None of the components are listed as a carcinogen by IARC, NTP, ACGIH and OSHA.

Acute toxicity values:

Dipropylene glycol methyl ether: Oral rat LD50 >5000 mg/kg; Inhalation rat LC50 1667 mg/m³/7 hr; Dermal rabbit LD50 >19020 mg/kg

Surfactant: No toxicity data available.

Section 12. Ecological Information

This product is toxic to the aquatic environment under the GHS criteria.

Ecotoxicity values:

Dipropylene glycol methyl ether: 96 hr LC50 *Poecilia reticulata* >1000 mg/L; 48 hr LC50 *daphnia magna* 1919 mg/L

Surfactant: No data available

Persistence and degradability: Dipropylene glycol methyl ether is readily biodegradable.

Bioaccumulative potential: Dipropylene glycol methyl ether has a BCF <100.

Mobility in soil: Dipropylene glycol methyl ether is 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	None	Not Regulated			
TDG	None	Not Regulated			None

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 is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not hazardous

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: Not a controlled product

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: 18 October 2013

Date of last revision: None