Stainless Steel Solutions, LLC

HMIS RATINGS:

Health	1*
Flammability	0
Physical	0

MATERIAL SAFETY DATA SHEET

Experimental Product. Hazards may not be fully characterized or known. For use only by qualified technical personnel and under qualified supervision.

SECTION 1 COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: S3-584L-Pre-Cleaner

MANFACTURER:
Innovative Chemical Technologies, Inc.
103 Walnut Grove Road
Cartersville, GA 30120
Telephone: 770-607-9340
Fax: 770-607-9341

DISTRIBUTOR:
Stainless Steel Solutions, LLC
3740 Prospect Ave #3
West Palm Beach, FL 33404
Telephone: 888-604-5586

EMERGENCIES: (770) 607-9340 M-F 8:00 AM-5:30 PM EST

SECTION 2 COMPOSITION/INFORMATION ON COMPONENTS

COMPONENTS	CAS NUMBER	%
Water	7732-18-5	96-97
Surfactants	mixture	1-2
Dipropylene glycol methyl ether	34590-94-8	1-2

Refer to Section 8 for Exposure Guidelines

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUSES EYE IRRITATION
MAY BE HARMFUL IF INHALED, SWALLOWED, OR ABSORBED THROUGH THE SKIN

IMMEDIATE HEALTH EFFECTS

Eyes: Direct contact may cause irritation, including stinging, tearing, redness, and swelling
Skin: Prolonged or repeated contact may cause irritation or de-fatting, leading to dryness. May be absorbed through the skin and cause effects similar to inhalation exposure.
Inhalation: Organic solvent vapor or mist inhalation may cause irritation of the nose, mouth, throat and lungs. Breathing large amounts of organic solvent vapors or mists may affect the central nervous system, causing headache, dizziness, nausea, confusion, loss of coordination, impaired judgment, or similar effects.
Ingestion: Swallowing large amounts of organic solvents may affect the central nervous system, causing effects similar to inhalation exposure.

PRIMARY ROUTES OF ENTRY: Eye or skin contact, vapor and mist inhalation, and ingestion.

TARGET ORGAN EFFECTS: Prolonged, repeated, or large exposures may cause liver, kidney, lung, or red blood cell damage.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: Repeated over exposure to organic solvents can cause an increased risk of birth defects.

CARCINOGENIC INFORMATION: None of the ingredients of this material are listed as carcinogens by IARC, NTP, or OSHA.

LONG TERM EFFECTS: Repeated over exposure to organic solvents can cause permanent damage to the central nervous system.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

SKIN CONTACT: Remove contaminated clothing. Wash off with clean luke-warm water. If irritation persists, or other symptoms develop, consult a physician.

INHALATION: Remove to fresh air. If respiratory irritation or breathing difficulty develops, give oxygen if available, and get immediate medical assistance. If breathing stops, give artificial respiration.

INGESTION: Do not induce vomiting. Aspiration hazard. Consult a physician or local Poison Control Center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT (° Fahrenheit): none (aqueous)

FLAMMABLE LIMITS: LEL: unknown
UEL: unknown

AUTOIGNITION TEMPERATURE: Not known.

HAZARDOUS PRODUCTS OF DECOMPOSITION: In case of fire or extreme heat, the following may be produced: oxides of carbon and nitrogen

EXTINGUISHING MEDIA: Water spray, foam, dry chemical powder, or carbon dioxide. Avoid direct water streams that may spread spilled liquids.

FIRE FIGHTING INSTRUCTIONS: Evacuate and keep any non-responders away. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move non-burning containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. Containers may rupture in extreme heat.

NFPA RATINGS: Health: 1, Flammability: 0, Reactivity: 0

SECTION 6 ACCIDENTAL RELEASE MEASURES

See section 8 for personal protective equipment.

SMALL SPILL: Eliminate any ignition sources and soak up material with an absorbent such as clay, sand, or other suitable material and dispose of properly.

LARGE SPILL: Eliminate any ignition sources and shut off source of leak if it is safe to do so. Evacuate and keep out any personnel not wearing proper protective equipment. Prevent liquid from entering sewers or waterways. Dike and contain spilled material. Soak up residue with an absorbent such as clay, sand, or other suitable material. Be aware of potential fire and explosion hazards due to vapor build-up in low-lying or enclosed areas.

SECTION 7 HANDLING AND STORAGE

HANDLING: Handle open containers with care and with adequate ventilation. Do not handle near an open flame, heat, sparks, or other source of ignition. Wear appropriate personal protection gear (see Section 8).

STORAGE: Store containers closed in a cool, well ventilated place away from incompatible materials. Do not store near an open flame, heat, or other source of ignition. Protect material from direct sunlight.

SECTION 8 PERSONAL PROTECTION & EXPOSURE CONTROLS

EXPOSURE GUIDELINES:

Component	List	Type	Value
Dipropylene glycol methyl ether	OSHA table Z-1	PEL (8 hr)	600 mg/m3 / 100 ppm
	OSHA table Z-1	Notation	SKIN
	ACGIH	TWA (8 hr)	100 ppm
	ACGIH	Notation	SKIN
	ACGIH	STEL (15 min)	150 ppm

EYE/FACE PROTECTION: Prevent eye contact. Wear safety glasses with side shields or goggles. A splash shield is recommended when splashing is possible.

SKIN PROTECTION: Prevent skin contact. Wear protective gloves. Wear impervious clothing and boots as necessary to protect from splashes.

RESPIRATORY PROTECTION: If workplace exposure limits of product or any component are exceeded, a NIOSH/MSHA approved respirator is advised in absence of proper environmental control. Engineering controls or administrative controls should be implemented to reduce exposure.

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (general and local exhaust) to maintain exposure below the level of overexposure from known, suspected or apparent adverse effects.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid

pH: unknown

VAPOR DENSITY: Heavier than air

BOILING POINT: approx 212^{o} F (100 °C)

SOLUBILITY IN WATER: Disperses

EVAPORTATION RATE: (water = 1) approximately 1

DENSITY: similar to water

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Avoid contact with heat.

MATERIALS TO AVOID: Strongly alkaline materials, Lewis Acids, or magnesium, aluminum and their alloys above 212^{o} F (100^{o}C).

HAZARDOUS PRODUCTS OF DECOMPOSITION: In case of fire or extreme heat, the following may be produced: oxides of carbon and nitrogen

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Eye Toxicity: Mixture has not been tested.

Acute Skin Toxicity: Mixture has not been tested. Dipropylene glycol methyl ether LD50 (rabbit) 9500 mg/kg.

Acute Inhalation Toxicity: Mixture has not been tested. Dipropylene glycol methyl ether LOAEL (rat) 500 ppm / 7 hr.

Acute Oral Toxicity: Mixture has not been tested. Dipropylene glycol methyl ether : oral LD50 (rat) >5000 mg/kg

Subchronic: Mixture has not been tested. Dipropylene glycol methyl ether: Long term low doses produce symptoms similar to other organic solvents.

Sensitization: This mixture has not been tested. None of the components are known or suspected skin sensitizers.

CARCINOGENITY: None of the components of this material are listed as carcinogens by IARC, NTP, or OSHA.

TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS: Occupational exposure to organic solvents during pregnancy is associated with an increased risk of fetal malformations, especially among women who reported symptoms associated with acute over-exposure.

CONDITIONS AGGRAVATED BY EXPOSURE: No data available.

SYNERGISTIC MATERIALS: No data available.

SECTION 12 ECOLOGICAL INFORMATION

Not evaluated

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION: Dispose in accordance with all applicable federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

All Modes:
Not Regulated

SECTION 15 REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA Information: All components are listed, or otherwise are in compliance with TSCA notification requirements.

CERCLA Reportable Quantities [40CFR302]: Components with known CAS numbers listed as hazardous substances and subject to reporting: None

SARA 302/304 [40CFR355]: Components listed as extremely hazardous substances and known to be present at or above *de minimus* levels as specified in 40 CFR§355.13: None

SARA 311/312 [40 CFR370]:

Acute	Yes
Chronic	Yes
Fire	No
Pressure	No
Reactivity	No

SARA 313 [40CFR372]: Components listed as reportable and known to be present at or above *de minimus* levels as specified in 40 CFR§372.38(a): None

STATE AND LOCAL REGULATIONS

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

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SECTION 16 OTHER INFORMATION

This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

End of MSDS