SAFETY DATA SHEET – Super Scrub

Section 1. Identification

Product Name: Super Scrub
Effective Date: 31 May 2015
Manufacturer Name: PROFLEX® Products, Inc.
Address: 1603 Grove Ave
Haines City, FL 33844
EMERGENCY PHONE: 877-577-6353

Section 2. Hazard(s) Identification

NFPA 704 CODES: 0=MInimal, 2=Moderate, 3=Serious, 4=Severe

HEALTH (BLUE)	FLAMMABILITY (RED)	REACTIVITY (YELLOW)	CLOTHING
NFPA: 1	NFPA: 0	NFPA: 0	NFPA:
HMIS: 1	HMIS: 0	HMIS: 0	HMIS: PP=B

ACUTE EFFECTS OF OVEREXPOSURE

EYE:	Mildly irritating to the eyes.
SKIN:	No skin irritation expected. May aggravate existing dermatitis.
INHALATION:	Breathing mist may cause mild irritation to the upper respiratory tract.
INGESTION:	None known. May cause nausea, abdominal discomfort or diarrhea.

CHRONIC EFFECTS OF OVEREXPOSURE: Repeated prolonged skin contact may produce irritation.
OTHER HEALTH EFFECTS (MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE): People sensitive to sulfur compounds can experience skin irritation. No other known applicable information.

Section 3. Composition / Information on Ingredients

INGREDIENTS	CAS NUMBER	% BY WT*
Propylene Glycol N-Propyl Ether	1569-01-3	<10%
Phosphorus & Sulfur Containing Binders	732-34-5; 7727-73-3	<5%
Mixture of Organic Sulfur/Oxygen/Nitrogen Containing Surface Active Agents	73138-27-9 68585-34-2; 27176-87-0 & Accession # 89157	<10%
Trace Chemicals including Biocides, Acids, Solvents	7664-93-9	<10%
Water	007732-18-5	Balance

* The concentrations shown in the substance list are maximum or ceiling level (weight %) to be used for calculations for regulations. Per California South Coast Air Quality Management District (SCAQMD) RULE 443.1, this product has volatile solvents content (VOC) of less than 0.5 pounds/gallon.

Section 4. First Aid Measures

EYE: Immediately flush eyes with running water for at least 15 minutes. Seek medical attention.
SKIN: Minimal effect on contact. Wash skin with soap and water. If irritation or adverse symptoms, seek medical attention.
INHALATION: Remove to fresh air. If breathing difficult, seek immediate medical attention.
INGESTION: Do not take internally. Drink large quantities of water. Do not induce vomiting. Seek medical attention.

Section 5. Fire Fighting Measures

Does not support combustion and is not considered a fire or explosive hazard. When involved in a fire, it may emit vapors containing the surface active components and their decomposition products. These materials should be considered irritants. Also the decomposition products may include carbon oxides, sulfur oxide, nitrogen oxides and amines. For these reasons, fire fighters should wear self -contained breathing apparatus and full protective clothing. Heated closed containers may burst due to steam pressure. Cool containers with water.

Section 6. Accidental Release Measures

Floors may be slippery; use care to avoid falling. Contain spills immediately with inert material to prevent waterway entry. Transfer liquids and solid diking materials to suitable containers for recovery or appropriate disposal.

Section 7. Handling and Storage

No special handling is required under normal use. Appropriate protective clothing necessary to prevent repeated or prolonged skin contact should be worn. Skin contact should be minimized by wearing impermeable gloves. Resistant boots should be worn where spills or splashing can occur. Wash hands and other contaminated areas thoroughly with soap and water after handling this product and before eating or smoking. Wash contaminated clothing thoroughly before reuse. Safety showers and eye stations should be available to employees. Normal warehouse storage in a closed container is adequate. Storage temperature should be above freezing and below 120°F. Drain equipment and flush with water to clean.
CORROSION: Avoid prolonged contact with aluminum. Avoid contact with magnesium.

Section 8. Exposure Controls / Personal Protection

No special personal protection is required under normal use. Skin exposure is not likely to result in the material being absorbed through the skin in harmful amounts. Since this material is known to be a mild irritant and allergic sensitizer, avoid prolonged skin contact. Normal ventilation is adequate. Avoid breathing mist or vapors.
Desirable protective equipment may include safety glasses and rubber gloves. Where splashing may occur, increased eye and skin protection is beneficial. This may include goggles, face shield, water resistant clothing and rubber boots. Wash contaminated clothing before reuse. Do not take it internally.
Ventilation: Good general ventilation (typically 10 air changes per hour) should be used.
Respiratory Protection: If respiratory irritation is experienced, use a mist, organic vapor type respirator.

Section 9. Physical and Chemical Properties

APPEARANCE:	Slightly amber, clear liquid
ODOR:	Organic ether odor
pH (typical):	10.5
SPECIFIC GRAVITY (H2O = 1):	1.01
BOILING POINT, 760 mm Hg:	205ºF, 96ºC
PERCENT VOLATILE BY WEIGHT:	<25%
VAPOR PRESSURE, AT 20ºC:	20 mm Hg
PERCENT VOLATILE BY VOLUME:	<25%
LIQUID DENSITY:	1.01 g/cc
SOLUBILITY IN WATER, BY WT:	100%
VISCOSITY:	Similar to water
PHYSICAL STATE:	Liquid
EVAPORATION RATE (Butyl Acetate =1):	Similar to water

Section 10. Stability and Reactivity

Product is stable and non-reactive under normal use over a wide range of pH. The organic content of the aqueous mixture will react with oxidizers producing heat and oxidation by-products. Heat release is minimized by vaporization of water. Atomization, vaporization or combustion forms aerosols which can carry the surface active agents, and combustion products such as carbon oxide, sulfur oxides, nitrogen oxides and ammonia into the atmosphere. Hazardous polymerization will not occur.

Section 11. Toxicological Information

This product is known to be a mild allergic sensitizer and a mild irritant. OSHA PEL and ACGIH TLV have not been established; however, the low vapor pressure of the surface active components in the product should produce air concentrations below expected exposure limits. The LD50 has not been determined; however, based upon limited LD50 values for mice and rats and assuming additive toxicity for the components, the LD50 should exceed 10,000 mg/kg. Do not take internally, avoid breathing mist and minimize skin contact.

HEALTH HAZARD CATEGORIES: None of the product's ingredients are found on any lists of hazardous, carcinogenic or banned chemical agents or materials generated by them.

Section 12. Ecological Information

The material is biodegradable and non-toxic to sewage organisms with dilution. Municipalities who have tested it, found it compatible with their sanitary sewer systems and treatment plants. High concentrations in the feed to a waste treatment plant may cause foaming and overload the system's COD capacity. Following results indicate typical oxidation requirements. BOD 5 day: 50,000 mg/liter Estimated. BOD 20 day: 350,000 mg/liter Estimated. COD: 600,000 mg/liter Estimated

Section 13. Disposal Considerations

The material is biodegradable and non-hazardous. Small quantities may be flushed to a sanitary or industrial sewer. Disposal of large quantities should comply with applicable disposal permits.

Section 14. Transport Information

DOT SHIPPING NAME (49CFR 172.101):	Non Flammable Liquid, NOS, Water Based Mixture of Surface Active Agents (Organic sulfur/oxygen/nitrogen compounds)
DOT ID# (49CFR 172.101):	Non-Regulated
HAZARD (29 CFR 1910.1200):	Non-Flammable
LABEL:	None Required
MARKING:	None Required
PLACARD:	None Required
DOT HAZARD CLASS:	Non Flammable Liquid,
NOS International Harmonic System Code:	3402

Section 15. Regulatory Information

FEDERAL: This product is non-hazardous under the OSHA Hazard Communication Standard (29 CFR 1910-1200). All components are on the Confidential or Non-Confidential TSCA Inventory List. The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) inven tory and do not have special toxic substances warning requirements. None of the components in this product require notification of the National Response Center under the Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) per 40 CFR 302.4. None of the components in this product require reporting under Superfund Amendment and Reauthorization Act of 1986 (SARA) Title III as emergency planning or release reporting per 40 CFR 355 (used for SARA 302, 304, 311 and 312). The components also do not require annual reporting as a toxic chemical under SARA Title III per 40 CFR 372 (for SARA 313). This product contains no chemicals subject to SARA Title III, Section -13, Part 372 reporting requirements.

STATE RIGHT-TO-KNOW:
Under California Proposition 65, this product contains no listed substances at levels which would require a warning as a product known to cause cancer, birth defects or other reproductive harm. Under the Massachusetts Right-To-Know Law, this product contains no listed substances at levels that require reporting per the Substance List. Under the Pennsylvania Right-To-Know Law, this product contains no listed substances at levels that require reporting per the Hazardous Substance List.

Abbreviations:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
ºC	Celsius temperature scale	ºF	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term Exposure Limit	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Information System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
≤	Less Than or Equal To	≥	Greater Than or Equal To

CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical List
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftliste 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content		
ACGIH	American Conference of Governmental Industrial Hygienists		
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

Section 16. Other Information

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS)

SDS Prepared by: PROFLEX® Regulatory Department

SDS Prepared on: May 22, 2015

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END OF SAFETY DATA SHEET.