


**SAFETY DATA SHEET**

**Section 1 - Identification**

<b>Product Identifier</b>	SOIL FIGHTER PLUS™ Encapsulating Re-soil Resistant Pre-Spray Concentrate
<b>Other means of identification</b>	0691
<b>Recommended use</b>	Detergent.
<b>Recommended restrictions</b>	For commercial and industrial use only.
<b>Manufacturer / Importer / Supplier / Distributor Information</b>	
<b>Company Name</b>	National Chemical Laboratories of PA, Inc.
<b>Address</b>	401 N. 10th Street - Philadelphia, PA 19123
<b>Telephone</b>	1 (215) 922-1200
<b>Supplier Email</b>	info@nclonline.com
<b>Contact</b>	CHEM-TEL
<b>Emergency Phone</b>	1 (800) 255-3924

**Section 2 - Hazard(s) Identification**

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

		Category	Target Organ
<b>Physical Hazards</b>	Flammable Liquids	4	
<b>Health Hazards</b>	Acute toxicity, inhalation	4	
	Serious eye damage/eye irritation	2A	
<b>OSHA defined hazards</b>	Not Classified.		
<b>Label Elements</b>			
<b>Hazard Symbol</b>			
<b>Signal Word</b>	Warning		
<b>Hazard statement</b>	Combustible liquid. Causes serious eye irritation. Harmful if inhaled.		
<b>Precautionary statement</b>			
<b>Prevention</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves/eye protection/face protection.		
<b>Response</b>	If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists get medical advice/attention. If on skin: Wash with water. In case of fire: Use appropriate media to extinguish.		
<b>Storage</b>	Store in original tightly closed container. Store in a well-ventilated place. Keep cool.		
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.		
<b>Hazard(s) not otherwise classified (HNOC)</b>	Not classified.		

**Section 3 - Composition/Information on ingredients**

<b>Mixture</b>			
<b>Hazardous Components</b>	Ingredient Name	CAS #	%
	1-Methoxy-2-Propanol	107-98-2	10 - 20
	Nonylphenol, ethoxylated	9016-45-9	1 - 5
	Sodium N-Lauroyl Sarcosinate	137-16-6	1 - 5
<b>Composition Comments</b>			

**Section 4 - First-aid Measures**

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a poison center or doctor/physician if you feel unwell.
<b>Skin contact</b>	Rinse skin with water/shower. Get medical attention if irritation persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do.

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<b>Ingestion</b>	Continue rinsing. Get medical attention immediately.. Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately. Get medical attention if irritation persists.
<b>Most Important symptoms /effects, acute and delayed</b>	Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>Indication of immediate medical attention and special treatment</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General Information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## Section 5 - Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment /instructions</b>	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
<b>General fire hazards</b>	Combustible liquid.
<b>Specific Methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## Section 6 - Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures.</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water. SMALL SPILLS Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. LARGE SPILLS: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## Section 7 - Handling and storage

<b>Precautions for safe handling</b>	Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Do not get this material in contact with eyes. Avoid inhalation of vapors and spray mists. Avoid prolonged exposure. Use only in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## Section 8 - Exposure control/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Component	Type	Value	Form
1-Methoxy-2-Propanol (CAS 107-98-2)	STEL	100 ppm	
1-Methoxy-2-Propanol (CAS 107-98-2)	TWA	50 ppm	

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
1-Methoxy-2-Propanol (CAS 107-98-2)	TWA	360 mg/m <sup>3</sup> , 100 ppm	
1-Methoxy-2-Propanol (CAS 107-98-2)	STEL	540 mg/m <sup>3</sup> , 150 ppm	

**Biological limit values** No biological exposure limits noted for the ingredient(s).

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## Exposure guidelines

### US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components	Exposure
1-Methoxy-2-Propanol (CAS 107-98-2)	Can be absorbed through the skin.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

## Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Other</b>	Not available.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## Section 9 - Physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Fresh (Giane™).
<b>Odor threshold</b>	Not available.
<b>pH (Concentrate)</b>	7.8
<b>Melting point/freezing point</b>	Not relevant.
<b>Initial boiling point and boiling range</b>	204 °F (99.56 °C)
<b>Flash point</b>	162°F (72.2 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Similar to water.
<b>Vapor density</b>	Similar to water.
<b>Relative density</b>	1.01 ± 0.01
<b>Relative density temperature</b>	75 °F (23.89 °C)
<b>Solubilities</b>	Completely soluble.
<b>Partition Coefficient n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not Available
<b>Viscosity</b>	< 10 cSt
<b>Viscosity Temperature</b>	75 °F (23.89 °C)

## Section 10 - Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong Acids.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

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## Section 11 - Toxicological information

### Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Harmful if inhaled.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**  
Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

### Information on toxicological effects.

**Acute toxicity** Harmful if inhaled.

Components	Level	Type	Code	Species	Results
Nonylphenol, ethoxylated (CAS 9016-45-9)	Acute	Oral	LD50	Mouse	4290 mg/kg, bw

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/ eye irritation** Causes serious eye irritation.

**Respiratory sensitization** This product is not expected to cause respiratory sensitization.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not classified.

**Chronic effects** Prolonged inhalation may be harmful.

**Further information**

## Section 12 - Ecological Information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Mobility in general** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## Section 13 - Disposal considerations

**Disposal instructions** Dispose in accordance with applicable federal, state, and local regulations.

**Local disposal regulations** Dispose of in accordance with local regulations.

**Hazardous waste code** Waste codes should be assigned by the user based on the application for which the product was used.

**Waste from residues / unused products** Dispose in accordance with all applicable regulations.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14 - Transport information

**DOT** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code** Not established.

**General Information**

## Section 15 - Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)** Not regulated.

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US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not on regulatory list.  
 CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

<b>Hazard Categories</b>	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	Yes
	Pressure Hazard	No
	Reactivity Hazard	No
<b>SARA 302 Extremely hazardous substance</b>		Not listed.
<b>SARA 311/312 Hazardous chemical</b>		Yes
<b>SARA 313 (TRI reporting)</b>		Not regulated.

**Other federal regulations**

<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List</b>	Not regulated.
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.
<b>Food and Drug Administration (FDA)</b>	Not regulated.

**US state regulations** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

<b>US.Massachusetts RTK - Substance List</b>	Components 1-Methoxy-2-Propanol (CAS 107-98-2)
<b>US.New Jersey Worker and Community Right-to-Know Act</b>	Components 1-Methoxy-2-Propanol (CAS 107-98-2)
<b>US.Pennsylvania RTK - Hazardous Substances</b>	Components 1-Methoxy-2-Propanol (CAS 107-98-2)
<b>US.Rhode Island RTK</b>	Not regulated.
<b>US - California Proposition 65 - Carcinogens Reproductive Toxicity (CRT): Listed substance</b>	Not listed.

**International Inventories**

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States	Toxic Substances Control Act (TSCA) Inventory	Yes
Puerto Rico		

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

\*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**Section 16 - Other information, including date of preparation or last version**

Issue date 2/11/2015  
 Revision date  
 Version # 01

**Further information**

**List of abbreviations**

**References**

**Disclaimer**

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