

# Material Safety Data

## Sun & Soil L.L.C.

### MSDS# 5106BU

Date Prepared: 11/01/2007

	Health	Fire	Reactivity	Special	Personal Protection Index
NFPA	1	2	0	0	B
HMIS	1	2	0	0	B

#### SECTION 1: PRODUCT IDENTIFICATION

Distributed by	SUN & SOIL L.L.C.	24 Hour Emergency Telephone	(231) 739-2068
Address	1357 STATE ROUTE 28 LOVELAND OH 45140 (513) 575-0025		
Trade Name	RAY & RAIN REPELLANT®	Product Type	Protector
Chemical Family	Petroleum Distillate	Formula	N/A

#### SECTION 2: HAZARDOUS INGREDIENTS

Name/Common Name	% (optional)	Cas.No.	OSHA PEL	ACGIH TLV (source)
Paraffinic Naphthenic Solvent		64742-47-8		

#### SECTION 3: PHYSICAL DATA

Boiling Point (degrees F)	416 F	Specific Gravity (H <sub>2</sub> O=1.0)	.81	pH	N/A
Vapor Pressure (mm Hg)	.05	Vapor Density (Air = 1)	5-6	Melting Point (degrees F)	N/A
Solubility in Water	Complete	Invisible	Emulsible (or dispersible)	Slight (or partial) X	
Evaporation Rate (vs. H <sub>2</sub> O)		Faster X	Slower	About the same	
Appearance and Odor	Clear colorless liquid				

#### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	177F	Boiling	None to limits
Flammable Limits		Upper 7.0	Lower .6
Extinguishing Media	Dry chemical, water spray, CO <sub>2</sub> , foam	Special Fire Fighting Procedures	Self contained breathing apparatus
Unusual Fire and Explosion Hazards	Combustible		

#### SECTION 5: REACTIVE DATA

Stability	Stable	Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide, organic fumes	Hazardous Polymerization	Will not occur

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#### SECTION 6: HEALTH HAZARDS

<b>Threshold Limit Value – Product (Section 2-TLV)</b>		None Established X		Not Applicable		
<b>Primary Routes of Exposure</b>		Eye X	Skin X	Oral	Inhalation X	Other
<b>Signs and Symptoms of Over-exposure (acute)</b>						
<b>Eyes</b>	May cause irritation		<b>Skin</b>	Prolonged contact may Cause redness and irritation.		
<b>Inhalation</b>	Dizziness, headaches, to unconsciousness		<b>Ingestion</b>	Causes irritation of the digestive tract, resulting in nausea and vomiting.		
<b>Signs and Symptoms of Over-exposure (chronic)</b>			None known			
<b>Medical Conditions aggravated by Over-exposure</b>			None known			
<b>Carcinogen or Suspect Carcinogen Ingredients</b>			NP	ARC	OSHA	None X

#### SECTION 7: EMERGENCY AND FIRST AID PROCEDURES

<b>Eyes</b>	Flush with water for 15 minutes, if irritation persists, consult physician
<b>Skin</b>	Wash with soap and water, if irritation persists, consult physician
<b>Ingestion</b>	Only induce vomiting at the instruction of a physician.
<b>Inhalation</b>	Remove to fresh air, if unconscious give artificial respiration, if breathing is difficult, consult physician.

#### SECTION 8: SPECIAL PROTECTION INFORMATION

<b>Respiratory Protection</b>		Use a NOISH approved respirator for organic vapors.	
<b>Ventilation</b>	Local	Mechanical X	Other
<b>Protective Gloves</b>	Impervious to chemicals	<b>Eye Protection</b>	Glasses with side shields, or chemical goggles.
<b>Other Protective Clothing or Equipment</b>		Protect parts of body that may come in contact with product	
<b>Work/Hygienic Practices</b>		Wash with soap and water after contact	

#### SECTION 9: SPILL OR LEAK PROCEDURES

<b>Steps to be taken if released or spilled</b>	Absorb into material such as sawdust etc.
<b>Waste disposal methods</b>	Dispose to a landfill in conformance with local, state and federal regulations

#### SECTION 10: STORAGE AND HANDLING INFORMATION

Precautions to be taken in handling and storage
Other: KEEP OUT OF REACH OF CHILDREN
Keep container tightly closed and store in a cool place. Do not mix with other chemicals . Keep away from heat or flames.

#### SECTION 11: ENVIRONMENTAL INFORMATION

Spill or Release
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This product contains no ingredients regulated under section 313 Emergency Planning and Community Right-to-Know Act (EPCRA) of SARA Title III and 40 CFR 372 and is not regulated as hazardous waste under CERCLA and is not subject to the Superfund tax.

Notice: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.