

Ray Bloc UV Fabric Protector

Material Safety Data Sheet

MSDS ID NO.: TREK7RAYBLOC
Revision date: 03/01/2009

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name: Ray Bloc UV Fabric Protector
Synonyms: NA
Chemical Family: Fabric UV Protector
Formula: Mixture: Water based product form of a hydrophobic UV absorber

Manufacturer:
Trek7 LLC
1330 Monte Vista STE 17
Upland, California 91786

Other information: 888-558-7357
Emergency telephone number: 888-558-7357

2. COMPOSITION/INFORMATION ON INGREDIENTS

RAY BLOC is a water dispersion UV Absorber.

Product information

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
UV Absorber	Mixture	100	NA	NA	

Component Information

Name	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA - Vacated PELs - Time Weighted Ave	Other:
Alkyl ether sulphate	Trade Secret	NA	NA	NA	
Iso Propyl Alcohol	67-63-0	NA	400 ppm	200 ppm	

Notes: VOC content <.25%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL DESCRIPTION: THIS PRODUCT IS A MILKEY WHITE AQUEOUS LIQUID.

OSHA WARNING LABEL:
None

CONSUMER WARNING LABEL:

Ray Bloc UV Fabric Protector

Material Safety Data Sheet

A CONSUMER WARNING LABEL IS NOT APPLICABLE FOR THIS PRODUCT.

Acute Effects

Inhalation: No significant irritation expected from a single short-term exposure.

Ingestion: Low ingestion hazard in normal cases.

Skin contact: No significant irritation expected from a single short-term exposure.

Eye contact: Direct contact may cause temporary discomfort or stinging.

Carcinogenic Evaluation:

Product information

Name	IARC Carcinogens:	NTP Carcinogens:	ACGIH - Carcinogens:	OSHA - Select Carcinogens:
UV Absorber	Not Listed	Not Listed	Not Listed	Not Listed

Notes: none

Component Information

4. FIRST AID MEASURES

Inhalation: Clear lungs of any liquid.

Skin contact: No first aid should be needed. Wash off with soap and water.

Ingestion: If swallowed, do not induce vomiting and do not give liquids. Immediately call a physician.

Eye contact: Flush eyes with large amounts of tepid water for at least 15 minutes. If symptoms or irritation occur, call a physician.

Medical conditions aggravated by exposure: Skin contact could aggravate an existing skin disorder or dermatitis condition.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Not Flammable

Specific hazards: None

Special protective equipment for firefighters: None

Ray Bloc UV Fabric Protector

Material Safety Data Sheet

Flash point:	NA – Aqueous base solution
Auto ignition temperature:	NA
Flammable limits in air - lower (%):	NA
Flammable limits in air - upper (%):	NA
<u>NFPA rating:</u>	<u>HMIS classification:</u>
Health: 1	Health: 1
Flammability: 0	Flammability: 0
Reactivity: 0	Reactivity: 0
Other: -	Special: *See Section 8 for guidance in selection of personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	For large volumes 55 Gallon or greater. Keep public away. Isolate area. Shut off source if safe to do so. Advise authorities and National Response Center (800- 424-8802) if substance has entered a watercourse or sewer. Notify local health and pollution control agencies, if appropriate. Contain liquid with sand or soil. Recover and return free product to proper containers. Use suitable absorbent materials such as vermiculite, sand, or clay to clean up residual liquids.
------------------------------	--

7. HANDLING AND STORAGE

Handling:	Comply with all applicable EPA, OSHA, NFPA and consistent state and local requirements. Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area. Do not freeze : If product is frozen the effectiveness of the product may be compromised.
------------------	--

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Engineering measures:	Local or general exhaust required in an enclosed area or when there is inadequate ventilation.
Respiratory protection:	No respiratory protection should be required.
Skin and body protection:	Prolong exposure use Neoprene, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride and polyurethane gloves to prevent skin contact.
Eye protection:	No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields.
Hygiene measures:	No special protective clothing is normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Milky White Aqueous Liquid
Physical state (Solid/Liquid/Gas):	Liquid
Substance type (Pure/Mixture):	Mixture
Color:	White
Odor:	Slight Alcohol
Molecular weight:	Mixture
pH:	6.5-8.0
Boiling point/range (5-95%):	>210 F
Melting point/range:	Not determined.
Decomposition temperature:	Not applicable.
Specific gravity:	1.00-1.05
Density:	8.3 lbs/gal
Bulk density:	No data available.
Vapor density:	Not determined.
Vapor pressure:	Not determined.
Evaporation rate:	No data available.
Solubility:	Not determined
Solubility in other solvents:	No data available.
Partition coefficient (n-octanol/water):	Not determined.
VOC content(%):	No data available.
Viscosity:	No data available.

10. STABILITY AND REACTIVITY

Stability:	The material is stable at 70 F, 760 mm pressure.
Polymerization:	Will not occur.
Hazardous decomposition products:	No Combustion products,
Materials to avoid:	None
Conditions to avoid:	Freezing

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

<u>Route of Exposure</u>	<u>Conclusion / Remarks</u>
Inhalation	
Toxicity: No Data available.	
Irritation: No Data available	Negligible hazard at ambient/normal handling temperatures. Based on test data for structurally similar materials.
Ingestion	
Toxicity: No Data available	
Skin	
Toxicity: No Data available	.



Ray Bloc UV Fabric Protector

Material Safety Data Sheet

Irritation: No Data available	
Eye	
Irritation: No Data available	May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.

CHRONIC/OTHER EFFECTS

For the product itself: No Data available

12. ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

- Material -- Not expected to be harmful to aquatic organisms.
- Material -- Not expected to demonstrate chronic toxicity to aquatic organisms.

PERSISTENCE AND DEGRADABILITY

Biodegradation:

Material – Not expected to be rapidly biodegradable.

Hydrolysis:

Material -- Transformation due to hydrolysis not expected to be significant.

Photolysis:

Material -- Transformation due to photolysis not expected .

Atmospheric Oxidation:

Material -- Expected to degrade in air

13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Do not dump into any sewers, on the ground or into any body of water. Send to a licensed and permitted waste hauler.

REGULATORY DISPOSAL INFORMATION

RCRA Information: Disposal of unused product may be subject to RCRA regulations (40 CFR 261). Disposal of the used product may also be regulated due to ignitability, corrosivity, reactivity or toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP). Potential RCRA characteristics: None

Empty Container Warning PRECAUTIONARY LABEL TEXT: Empty containers may retain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.



14. TRANSPORT INFORMATION

49 CFR 172.101:

DOT:

Transport Information: This material when transported via US commerce would be regulated by DOT Regulations.

LAND (DOT)

Proper Shipping Name: Non Hazardous Liquid N.O. I.
Hazard Class & Division: NA
ID Number: NA
Packing Group: NA
ERG Number: NA
Label(s): NONE
Transport Document Name: : Non Hazardous Liquid N.O. I.
Footnote:

LAND (TDG)

Proper Shipping Name: : Non Hazardous Liquid N.O. I.
Hazard Class & Division: NA
UN Number: NA
Packing Group: NA

SEA (IMDG)

Proper Shipping Name: Non Hazardous Liquid N.O. I.
Hazard Class & Division: NA
EMS Number: NA
UN Number: NA
Packing Group: NA
Label(s): NA
Transport Document Name: : Non Hazardous Liquid N.O. I.

AIR (IATA)

Proper Shipping Name: : Non Hazardous Liquid N.O. I.
Hazard Class & Division: NA
UN Number: NA
Packing Group: NA
Label(s): NA
Transport Document Name: : Non Hazardous Liquid N.O. I.

15. REGULATORY INFORMATION

Federal Regulatory Information:

US TSCA Chemical Inventory Section 8(b): This product and/or its components are listed on the TSCA Chemical Inventory.

OSHA Hazard Communication Standard: This product has been evaluated and determined to be non-hazardous as defined in OSHA's Hazard Communication Standard.

EPA Superfund Amendment & Reauthorization Act (SARA):

SARA Section 302: This product contains the following component(s) that have been listed on EPA's

Ray Bloc UV Fabric Protector

Material Safety Data Sheet

Extremely Hazardous Substance (EHS) List: None

SARA Section 304: This product contains the following component(s) identified either as an EHS or a CERCLA Hazardous substance which in case of a spill or release may be subject to SARA reporting requirements:

SARA Section 31 1/312: The following EPA hazard categories apply to this product:

SARA Section 313: This product contains the following component(s) that may be subject to reporting on the Toxic Release Inventory (TRI) From R:

Canadian Regulatory Information:

Canada DSL/NDSL Inventory: This product and/or its components are listed either on the Domestic Substances List (DSL) or the Non Domestic Substance List (NDSL).

16. OTHER INFORMATION

Additional Information: No data available.

Prepared by: Jim Scholler, Technical Director

The information and recommendations contained herein are based upon tests believed to be reliable. However, Trek7 does not guarantee their accuracy or completeness nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of the goods, the merchantability of the goods, or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage maybe required. Trek7 assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet