

**SECTION 1: Product Identification**

**Product Identifier:** **Radiant**

**Synonyms:** Non-ionic soil surfactant  
**CAS number:** Mixture no single CAS number available

**Manufacturer:** Surfactant Solutions  
**Address:** 23040 N 11th Ave. Suite 115 Phoenix, AZ 85027  
**Phone:** 480-681-5460  
**Emergency Phone:** 480-681-5460  
**Date Prepared:** 10-29-2020

**Recommended Use:** Surfactant used to reduce and prevent hydrophobicity formation in the soil

**SECTION 2: Hazard(s) Identification**

**Hazard Classification:** Irritant  
**Signal Word:** Warning  
**Hazard Statement:** Irritant to eyes, skin, and ingestion.



**Pictograms:**

**Precautionary Statement:** Use proper gloves/goggles when handling and wash hands before touching eyes or eating. Get medical advice/attention if you feel unwell. Dispose of contents/container in accordance with local/regional/national and international regulations.

**SECTION 3: Composition/Information on Ingredients**

<b>Chemical Name:</b>	Ethylene oxide-propylene polymer	<b>Common Name:</b>	N/A
<b>CAS #:</b>	Proprietary	<b>Percentage:</b>	100%

Contents of chemical name and hazardous compounds are a trade secret as allowed by 29 CFR 1910.1200 (i) 1.

**SECTION 4: First Aid Measures**

**Routes of Exposure:** Ingestion, eyes and skin

**Symptoms**

**Ingestion:** Overexposure may cause diarrhea, nausea, and vomiting.  
**Eyes:** Overexposure causes excessive watering, redness.  
**Skin:** Overexposure may cause itching and redness similar to a rash.

**First Aid**

**Ingestion:** Contact physician or poison control center. If victim is conscious and able to swallow, quickly give water or milk to dilute. Do not give sodium bicarbonate, vinegar, or fruit juices. Never give anything by mouth if victim is unconscious or having convulsions. Do not induce vomiting. Seek medical attention if necessary.

**Eyes:** Flush immediately with copious amounts of water. Continue flushing for at least 15 minutes and seek medical attention.

**Skin:** Wash exposed areas with soap and water. If itching and redness persist, seek medical attention.

**SECTION 5: Fire-Fighting Measures**

**Extinguishing Data:** Use foam, dry powder, Carbon Dioxide, water spray or sand.

**Special Procedures:** Do not use heavy water stream  
 Use water spray to cool drums exposed to fire

**Unusual Fire & Explosive Hazards:** Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and gasses.

### SECTION 6: Accidental Release Measures

**Personal Precautions:** Ensure cap is sealed tightly. Do not puncture container. Keep away from sharp objects and use caution around forklifts.

**Cleanup Procedures:** Cover drains. Immediately apply absorbent product like clay or Speedy Dry. Continue applying until spill has been absorbed. Place contents into recovery drum. Block off area to avoid slipping. Consult local, state, and federal regulations before disposing this material/recover drums.

### SECTION 7: Handling & Storage

**Precautions for Safe Handling:** No special requirements.

**Storage Recommendations:** Ensure cap is re-applied. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Avoid direct sunlight.

**Storage Temperature:** >= 25 (5 - 42) °C

### SECTION 8: Exposure Controls / Personal Protection

**Respiratory Protection:** Needed if working in a poor-ventilated environment

**Ventilation:** Ensure adequate ventilation in working area

**Protective Gloves:** Chemical-resistant rubber gloves recommended

**Eye Protection:** Chemical goggles recommended

**Other Equipment:** Eye wash and safety shower in the work area

**Work/Hygienic Practices:** Avoid contact with eyes and skin, wash thoroughly after handling

### SECTION 9: Physical & Chemical Properties

<b>Appearance:</b>	Clear liquid	<b>Vapor Pressure:</b>	N/A
<b>Odor:</b>	Mildly characteristic	<b>Vapor Density:</b>	N/A
<b>Odor Threshold:</b>	N/A	<b>Relative Density:</b>	N/A
<b>pH:</b>	>=7.5	<b>Solubility (ies):</b>	Soluble in water
<b>Melting/Freezing Point:</b>	<=0°C	<b>Partition coefficient:</b>	N/A
<b>Boiling Point:</b>	>=100°C	<b>Auto-ignition Temperature:</b>	N/A
<b>Flash Point, F, COC</b>	N/A	<b>Decomposition Temperature:</b>	N/A
<b>Evaporation Rate:</b>	N/A	<b>Viscosity @25C:</b>	N/A
<b>Flammability:</b>	N/A	<b>Specific Gravity:</b>	1.035 g/mL
<b>Flammable Limits:</b>	Not established		

### SECTION 10: Stability & Reactivity

**Reactivity:** Avoid contact with strong acids and bases.

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions to be Avoided:** Direct sunlight. Extreme high or low temperature

**Classes of Incompatible Materials:** Strong acids. Strong bases

**Hazardous Decomposition Products:** Fume. Carbon Monoxide. Carbon Dioxide.

### SECTION 11: Toxicological Information

**Routes of Exposure:** Ingestion, eyes and skin contact

**Delayed/Immediate/Chronic effects from short- and long-term exposure:** N/A

**Numerical Measures of Toxicity:** This product has not been tested. Information provided here has been derived from substances/products of similar structure or composition.

Oral LD50 (mg/kg body weight): >5000 mg/kg (Rat)

Dermal LD50 (mg/kg body weight): 200 Category 3 <1000

Skin: Category 2 (skin irritant)

Eye: Category 2B (fully reversible within 7 days)

Vapors (mg/L): No applicable information is available

Gases (ppmV): No applicable information is available

Carcinogenicity: No component of this product presents at level ≥ 0.1% is identified as a carcinogen or potential carcinogen by OSHA

**Description of Symptoms:** See Section 4. First Aid Measures

**Listed in NTP Report on Carcinogens:** No

**SECTION 12: Ecological Information**

**Environmental Impact:** N/A

**SECTION 13: Disposal Considerations**

Consult local, state, and federal regulations before disposing this material.

**SECTION 14: Transport Information**

**UN Number:** N/A  
**UN Shipping Name:** N/A  
**Transport Hazard Class:** N/A  
**Packing Group Number:** N/A

**Environmental Hazards:** N/A  
**Guidance on Transport in Bulk:** N/A  
**Special Precautions:** N/A

**SECTION 15: Regulatory Information**

**Department of Transportation:** DOT classification - cleaning compound, non-hazardous material

**SECTION 16: Other Information**

This Radiant SDS was prepared October 29th, 2020



The information presented herein is believed to be factual, as it has been derived from the works of qualified experts; however, nothing contained in this SDS to be taken as a warranty. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

**Surfactant Solutions**  
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