

# SAFETY DATA SHEET

REJUVENATE

MSDS DATE: 8/10/12  
SUPERSEDES: NONE

---

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

---

**PRODUCT NAME:** REJUVENATE  
**MANUFACTURED FOR:** Growing Solutions, Inc.  
**ADDRESS:** 21719 S. Center. Unit D • New Lenox, IL 60451  
**CHEMICAL NAME:** Proprietary mixture  
**CHEMICAL FORMULA:** Mixture  
**PRODUCT USE:** Golf sand bunker treatment  
**SECTION 1 NOTES:** None

---

## SECTION 2: HAZARDOUS INGREDIENTS

---

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT/% VOL</u>	<u>SARA 313</u> <u>REPORTABLE</u>	<u>TWA</u>	<u>OSHA</u> <u>STEL</u>	<u>Ceiling</u>	<u>TWA</u>	<u>ACGIH</u> <u>STEL</u>	<u>Ceiling</u>
NONE									

**SECTION 2 NOTES:** NONE

---

## SECTION 3: HAZARDS IDENTIFICATION

---

**ROUTES OF ENTRY:** Eyes, skin, ingestion, inhalation

### POTENTIAL HEALTH EFFECTS

**EYES:** For dust: May cause severe eye irritation. May cause corneal injury. Effects may be slow to heal.

**SKIN:** Brief contact is essentially nonirritating to skin. May cause more severe response if skin is abraded (scratched or cut). May cause more severe response on covered skin (under clothing, gloves). Prolonged contact may cause skin irritation, even a burn.

**INGESTION:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Swallowing may result in gastrointestinal irritation or ulceration.

**INHALATION:** Vapors are unlikely due to physical properties. Mist may cause irritation to upper respiratory tract (nose and throat).

**ACUTE HEALTH HAZARDS:** None known beyond above

**CHRONIC HEALTH HAZARDS:** None known

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known

---

### CARCINOGENICITY

**OSHA:** No      **ACGIH:** No      **NTP:** No      **IARC:** No      **OTHER:** No

**SECTION 3 NOTES:** None

# SAFETY DATA SHEET

REJUVENATE

MSDS DATE: 8/10/12  
SUPERSEDES: NONE

---

## SECTION 4: FIRST AID MEASURES

---

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Product does NOT contain a pesticide or pest control product. Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

SECTION 4 NOTES: None

---

## SECTION 5: FIRE-FIGHTING MEASURES

---

**FLAMMABLE LIMITS IN AIR, UPPER:** Unknown  
(% BY VOLUME)      **LOWER:** Unknown

**FLASH POINT:**

F: >200

C: >93

**METHOD USED:**

PMCC

**AUTOIGNITION TEMPERATURE:**

Unknown

F:

C:

**NFPA HAZARD CLASSIFICATION**

HEALTH: 1      FLAMMABILITY: 0      REACTIVITY: 0      OTHER: -

**HMIS HAZARD CLASSIFICATION**

HEALTH: 2      FLAMMABILITY: 0      PHYSICAL HAZARD: 0      PROTECTION: -

**EXTINGUISHING MEDIA:**

Use extinguishing agents appropriate for surrounding fire

**SPECIAL FIRE FIGHTING PROCEDURES:**

This material does not burn.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon

SECTION 5 NOTES:

None

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**ACCIDENTAL RELEASE MEASURES:** Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

SECTION 6 NOTES:

None

**SAFETY DATA SHEET**  
REJUVENATE

**MSDS DATE: 8/10/12**  
**SUPERSEDES: NONE**

---

**SECTION 7: HANDLING AND STORAGE**

---

Handling Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.  
Storage Keep container tightly closed. Protect from atmospheric moisture. Product may become a solid at temperatures below 0 C (32 F).

**SECTION 7 NOTES:** None

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**VENTILATION :** Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

**RESPIRATORY PROTECTION:** Not necessary unless ventilation is inadequate. Then use MSHA or NIOSH approved respirator, as appropriate.

**EYE PROTECTION:** Chemical splash goggles.

**SKIN PROTECTION:** Impermeable gloves, long sleeves, long pants, rubber apron

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash stations, safety showers

**WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

**EXPOSURE GUIDELINES:** None known

**SECTION 8 NOTES:** None

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE:** Clear, colorless to very slightly colored

**ODOR:** None

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** 9 (approximate)

**BOILING POINT:**

F: ~240

C: ~115

**MELTING POINT:**

F: Unknown

C: Unknown

**FREEZING POINT:**

F: Unknown

C: Unknown

**VAPOR PRESSURE (mmHg):** Unknown

@

F:

C:

**VAPOR DENSITY (AIR = 1):** Unknown

@

F:

C:

**SPECIFIC GRAVITY (H2O = 1):** ~1.3

**BULK DENSITY (FOR SOLIDS):**

@

F: 68

C: 20

**EVAPORATION RATE:** Unknown

**BASIS (butyl acetate=1):**

**SOLUBILITY IN WATER:** Soluble

**VISCOSITY:** Unknown

@

F:

C:

**SECTION 9 NOTES:** None

**SAFETY DATA SHEET**  
REJUVENATE

**MSDS DATE: 8/10/12**  
**SUPERSEDES: NONE**

---

**SECTION 10: STABILITY AND REACTIVITY**

---

**STABILITY:**      Stable       Unstable

**CONDITIONS TO AVOID (STABILITY):**      None known

**INCOMPATIBILITY (MATERIAL TO AVOID):**      Avoid contact with: Sulfuric acid. Corrosive to some metals. Avoid contact with metals such as brass, ferrous metals, and mild steel. Flammable hydrogen may be generated from contact with metals such as: Zinc. Sodium. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromate.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**      Under fire conditions, oxides of carbon

**HAZARDOUS POLYMERIZATION:**      Will not occur

**CONDITIONS TO AVOID (POLYMERIZATION):**      None known

**SECTION 10 NOTES:**      None

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**TOXICOLOGICAL INFORMATION:**      Not available

**SECTION 11 NOTES:**      None

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**ECOLOGICAL INFORMATION:**      Not available

**SECTION 12 NOTES:**      None

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**WASTE DISPOSAL METHOD:**      Reuse or recycle if possible. All disposal must be in compliance with all applicable laws and regulations.

**RCRA HAZARD CLASS:**      Not regulated

**SECTION 13 NOTES:**      None

---

**SECTION 14: TRANSPORT INFORMATION**

---

**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:**      Not regulated  
**HAZARD CLASS:**      Not regulated  
**ID NUMBER:**      Not regulated  
**PACKING GROUP:**      Not regulated  
**LABEL STATEMENT:**      Not regulated

**SECTION 14 NOTES:**      None

**SAFETY DATA SHEET**  
REJUVENATE

**MSDS DATE: 8/10/12**  
**SUPERSEDES: NONE**

---

**SECTION 15: REGULATORY INFORMATION**

---

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All components of this product are listed or excluded from listing on the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**  
This product contains no CERCLA listed chemicals.

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**Section 302/304 Extremely Hazardous Substances**

Chemical Name	CAS Number	Range in %	TPQ	RQ
NONE				

**311/312 HAZARD CATEGORIES:**

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Immediate Health Hazard

**313 REPORTABLE INGREDIENTS:**

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the de minimis concentration level.

**STATE REGULATIONS:**

NONE

**SECTION 15 NOTES:** None

---

**SECTION 16: OTHER INFORMATION**

---

**OTHER INFORMATION:** None

**PREPARATION INFORMATION:** Prepared On 8/10/12

**DISCLAIMER:**

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

**Growing Solutions, Inc.**  
**21719 S. Center Ave, Unit D**  
**New Lenox, IL 60451**