

**SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION**

**SOS Environmental, Incorporated**  
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**PRODUCT:** AMS 101™  
**TRADE NAMES/SYNONYMS:** None  
**CHEMICAL FAMILY:** Soil Remediation  
**MSDS CREATION DATE:** 05 MAR 00  
**MSDS REVISION DATE:** 01 JAN 11

**SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS**

The composition information and/or the composition of one of the components of this product is proprietary. This product is not hazardous as defined in 29 CFR 1910.1200. In the event of a medical emergency, spill or fire, compositional information will be revealed to responding emergency personnel.

**COMPONENTS:** Proprietary mixture of natural single celled organisms in an inert broth  
**TOXIC AND HAZARDOUS COMPONENTS:** None; the mixture has no chemical impact  
**CAS NUMBER:** Not applicable  
**RTECS NUMBER:** Not applicable  
**PERCENTAGE:** Proprietary mixture  
**PROBABLE CONTAMINANTS:** Not known

### **SECTION 3: HAZARDS IDENTIFICATION**

**NFPA RATINGS:** (SCALE 0-4): HEALTH=0, FIRE=0, REACTIVITY=0

**EMERGENCY OVERVIEW:** Gray to cream colored liquid.. May cause slight skin and eye irritation.

Avoid contact with eyes, skin and clothing. May be harmful if swallowed.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** (Not an expected pathway in normal use)

**SKIN CONTACT:**

**Short Term Effects:** May cause slight irritation or rash; may cause itching. May cause dry skin.

**Long Term Effects:** No information available on significant adverse effects.

**EYE CONTACT:**

**Short Term Effects:** May cause irritation. Additional effects may include tearing.

**Long Term Effects:** No information available on significant adverse effects.

**INGESTION:** Not an expected pathway in normal use.

**CARCINOGEN STATUS:**

**OSHA:** No      **NTP:** No      **IARC:** No

### **SECTION 4: FIRST AID MEASURES**

**INHALATION:** Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

**SKIN CONTACT:** Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and flush with large amounts of water until no evidence of product remains (at least 15-20 minutes). If irritation persists seek medical attention.

**EYE CONTACT:** Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention if needed.

**INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

**NOTE TO PHYSICIAN: Antidote:** No specific antidote. Treat symptomatically and supportively.

### **SECTION 5: FIRE FIGHTING MEASURES**

**FIRE AND EXPLOSION HAZARD:** Non-flammable

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**OCCUPATIONAL SPILL:** Stop leak if you can without risk. For small spills, take up with sand or other absorbent material and place in containers for disposal. For larger spills, dike far ahead of spill for later disposal.

## **SECTION 7: HANDLING AND STORAGE**

Observe all federal, state and local regulations when storing this product. Store in a tightly closed container. Store away from incompatible substances.

## **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

**EXPOSURE LIMITS:** No occupational exposure limits established by OSHA/ACGIH/NIOSH.

**EYE PROTECTION:** Must wear safety glasses with splash shields or safety goggles to prevent contact with this product.

**EMERGENCY WASH FACILITIES:** Where there is any possibility that an individual's eyes and/or skin may be exposed to this product, an eye wash fountain for emergency use.

**GLOVES:** Wear appropriate protective gloves, such as rubberized or latex coated canvas gauntlets, to prevent contact with this product.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**DESCRIPTION:** Faint diesel like odor; gray or cream colored liquid

**FORMULA:** Proprietary blend

**MELTING POINT:** Not available

**BOILING POINT:** Not applicable

**SPECIFIC GRAVITY:** 1.0

**WATER SOLUBILITY:** Miscible in all proportions

## **SECTION 10: STABILITY AND REACTIVITY**

**REACTIVITY:** Stable under normal temperatures and pressures

**CONDITIONS TO AVOID:** Strong acids and alkalis will kill or neutralize organisms

**INCOMPATIBILITIES:** None

**HAZARDOUS DECOMPOSITION:** Thermal decomposition products may include small amounts of oxides of carbon.

**POLYMERIZATION:** Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICITY DATA:** None available

**CARCINOGEN STATUS:** Not available

**LOCAL EFFECTS:** Product may be an eye, inhalation and skin irritant.

**ACUTE TOXICITY LEVEL:** Not available

**TARGET EFFECTS:** No data available

**INHALATION:** Not expected pathway in normal use.

### **SKIN CONTACT:**

**Acute Exposure:** Single, short exposure not likely to cause significant skin irritation. The degree of irritation depends on the concentration and duration of contact.

**Chronic Exposure:** Effects depend on concentration and duration of exposure. Repeated or prolonged contact could result in dermatitis or effects similar to those in acute exposure.

### **EYE CONTACT:**

**Acute Exposure:** Direct contact with the product may cause irritation with redness. Tearing and eye discharge may also occur.

**Chronic Exposure:** Repeated or prolonged exposure may result in conjunctivitis.

### **INGESTION:**

**Acute Exposure:** Not an expected pathway. May cause nausea and/or gastrointestinal tract irregularities.

**Chronic Exposure:** No data available.

**SECTION 12: ECOLOGICAL INFORMATION**

**ENVIRONMENTAL IMPACT RATING (0-4):** No data available  
**ACUTE AQUATIC TOXICITY:** No data available  
**DEGRADABILITY:** No data available  
**LOG BIOCONCENTRATION FACTOR (BCF):** No data available  
**LOG OCTANOL/WATER PARTITION COEFFICIENT:** No data available

**SECTION 13: DISPOSAL INFORMATION**

Observe all federal, state and local regulations when disposing of this substance.

**SECTION 14: TRANSPORT INFORMATION**

**DOT Shipping Name - ID Number:** Non-regulated

**SECTION 15: REGULATORY INFORMATION**

|                 |  |    |
|-----------------|--|----|
| 40 CFR 302.4    | CERCLA SECTION 103:                              | No |
| 40 CFR 355.30   | SARA SECTION 302:                                | No |
| 40 CFR 355.40   | SARA SECTION 304:                                | No |
| 40 CFR 372.65   | SARA SECTION 313:                                | No |
| 29 CFR 1910.119 | OSHA Process Safety                              | No |
|                 | California Proposition 65                        | No |
| 40 CFR 370.21   | SARA HAZARD CATEGORIES,<br>SARA SECTIONS 311/312 |    |
|                 | ACUTE HAZARD:                                    | No |
|                 | CHRONIC HAZARD:                                  | No |
|                 | FIRE HAZARD:                                     | No |
|                 | REACTIVITY HAZARD:                               | No |
|                 | SUDDEN RELEASE HAZARD:                           | No |

## **SECTION 16: OTHER INFORMATION**

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

S O S Environmental, Inc. reserves the right to refuse shipment of this product to any consumer who fails to demonstrate the ability to consistently handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.