

SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION

SOS Environmental (940) 720-6643
811 6th Street
Suite 130
Wichita, Texas 76301

SUBSTANCE: DeSalt Plus™
TRADE NAMES/SYNONYMS: none
CHEMICAL FAMILY: soil amendment
MSDS CREATION DATE: 31 Dec 00
SDS REVISION DATE: 01 Jun 15

SECTION 2: HAZARDS IDENTIFICATION

Physical State Liquid
Odor and color Odorless. Clear to amber.
OSHA/HCS Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Emergency Overview May be harmful if swallowed. May cause eye and skin irritation. Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Hazard Pictogram



Signal Word Warning.

Precautionary Statements

General Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention Wear eye or face protection. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use and store only outdoors or in a well ventilated place
Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage Not applicable.
Handling Not applicable.
Hazards not otherwise classified None known.

SECTION 3: 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	CAS NUMBER	RTECS NUMBER	PERCENTAGE
Proprietary Trade Secret	not applicable	not applicable	proprietary

NOTE: Contains no nitrates

SECTION 4: FIRST AID MEASURES

Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Skin Contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Notes to Physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Notes to first-aiders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point	N/A
Extinguishing Media	Use extinguishing media appropriate for surrounding fire.
Fire Fighting	Negligible fire hazard; not applicable.
Fire and Explosion Hazard	Negligible
Products of Thermal Decomposition	Thermal decomposition products may include toxic and corrosive fumes of chlorine and hydrogen chloride. Product may react with some metals (aluminum, zinc, tin, etc.) to release flammable hydrogen gas.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small Spill

Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Large Spill

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7: HANDLING AND STORAGE

Handling

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures

Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Occupational Exposure Limits	No occupational exposure limits established by OSHA/ACGIH/NIOSH
Appropriate Engineering Controls	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Hygiene Measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Skin Protection	Wear long sleeves and other protective clothing to prevent repeated or prolonged skin contact.
Hand protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. :
Other skin protection	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory Protection	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Clothing	Wear normal work clothing. Leather work boots and/or leather products will dehydrate with resultant shrinkage and possible destruction.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Description	Odorless, colorless to darker blue/green liquid
Odor	Odorless
pH	6.5 - 8.5
Melting Point/Freezing Point	Not Established
Boiling Point	118°C (244°F)
Specific Gravity	1.34 @ 25°C (77°F)
Flash Point	N/A
Upper/Lower Flammability Point	N/A
Evaporation Rate	Not Established
VOC	N/A
Vapor Pressure	Not Established
Vapor Density	Not Established
Water Solubility	Miscible with water in all proportions.
Partition Coefficient	Not Established
Solvent Solubility	Miscible in alcohol, acetic acid and acetone
Auto-Ignition Temperature	N/A
Decomposition Temperature	Not Established
Viscosity	0.5-12 mPa

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous Polymerization	Does not occur under normal temperatures and pressures.
Conditions to Avoid	None reported.
Hazardous Decomposition Products	Thermal decomposition products may include toxic and corrosive fumes of chlorine.

SECTION 11: TOXICOLOGICAL INFORMATION

Product Name: DeSalt Plus	LD ₅₀ : rat, 1g/kg, oral
Eye contact	Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards.
Skin Contact	No known significant effects or critical hazards.
Ingestion	Irritating to mouth, throat and stomach.
General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY:	No data available.
DEGRADABILITY:	Does not biodegrade.
LOG BIOCONCENTRATION FACTOR (BCF):	Does not bioaccumulate.
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

U.S. Federal regulations	This material is not listed
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	Not listed
Clean Air Act Section 602 Class I Substances	Not listed
Clean Air Act Section 602 Class II Substances	Not listed
DEA List I Chemicals (Precursor Chemicals)	Not listed
DEA List II Chemicals (Essential Chemicals)	Not listed
United States inventory (TSCA 8b)	This material is not listed or exempted
SARA 302/304 SARA 304 RQ	Not applicable
SARA 311/312 Classification	Immediate (acute) health hazard
HCS Classification	Irritating Material
TSCA STATUS	Yes
DSL STATUS	Yes
EINECS STATUS	Yes
OTHER TSCA ISSUES	None
CALIFORNIA PROPOSITION 65	No ingredients found on the Propositions 65 list

SECTION 16: OTHER INFORMATION

HMIS Ratings: (Scale 0-4)	Health: 1	Fire: 0	Reactivity: 0
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HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

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.

SOS Environmental, Incorporated 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.



Safety Data Sheet

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