

Material Safety Data Sheet

1. Product and Supplier Information

Product Name: Genesis Soil Rite
 Product Number: NA
 Product Synonyms: None
 Chemical Family or Formula: Not applicable to mixtures

MSDS Number: SW GSR 1 10
 Publication Date: Feb. 22, 2010
 Replaces: Jan. 29, 2007

Supplier: Soil Works, LLC
 42411 201st St.
 Bancroft, SD 57353

Product Information: 605-530-2475
 Transportation Emergency: Same

Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest.

2. Composition and Information on Ingredients

CAS #	SARA 313	Material or Component	Exposure Limits			
			%	RQ#	TWA*	STEL* WEEL*
471-34-1	No	Limestone	Approx. 95-100%	None	10 mg/m3	

Contains additional non hazardous soil adjuvants selected for the specific horticultural purposes of the product.
 A4=Not Classifiable as a Human Carcinogen BEI= Biological Exposure Limit exists for this material
 No component is listed in "Threshold and Biological Exposure Indices for 2006" from ACGIH except as noted above.
 Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above; NE= Not Established
 *TWA= Time Weighted Average; STEL= Short Term Exposure Limit; WEEL= Workplace Employee Exposure Level

3. Hazards Identification

OSHA Hazard Classification: Inhalation hazard. See Sec. 2 above.

Hazard description: Non corrosive
 Moderate health hazard. Mechanical (particulate) eye irritant.

Particular dangers:
 Mechanical eye irritation.

Routes of Entry: Eye, inhalation, ingestion

Chemical Interactions: Reacts with acid to generate carbon dioxide.

Medical Conditions Aggravated:
 None known.

Human Threshold Response Data
Irritation Threshold: Not established

Hazard Category Classifications and Ratings

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	No*	No	No	OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Delayed	No	No*	No	No	
HMIS Hazard Ratings: Health 1 Fire 0 Instability 0 Other B (Goggles, gloves)					
NFPA 704 Hazard Ratings: Health 1 Flammability 0 Reactivity 0 Special NA					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					
"No*" in Delayed Fire hazard category indicates lack of a spontaneous combustion hazard.					

Note: HMIS and NFPA ratings are subjective evaluations of hazards and can differ between preparers. They are intended and useful only as a rapid approximation of the hazards rated.

Immediate (Acute) Health Effects
 Inhalation Toxicity:

Harmful if inhaled.

Inhalation Irritation:

High concentrations or prolonged exposure can cause coughing and corrosion of mucous membranes.

Skin Contact:

Not expected to be an acute irritant.

Skin Absorption:

Not a problem.

Eye Contact

Exposure can cause severe irritation including tearing, redness and swelling.

Ingestion Irritation:

Not expected to be a problem.

Ingestion Toxicity:

See Section XI.

Acute Target Organ Toxicity:

Not listed.

Prolonged (Chronic) Health Effects

Carcinogenicity:

Contains no listed or suspected carcinogens.

Reproductive and Developmental Toxicity:

Contains no known or suspected agents.

Sensitization:

None reported.

General :

Prolonged or repeated exposure may cause irritation to the exposed organs.

Chronic Target Organ Toxicity:

None known

Supplemental Health Hazard Information:

Acute and chronic toxicity of this product is not considered to be fully known.

4. First Aid

General:

After adequate first aid, no further treatment is required unless symptoms reappear.

Inhalation:

Remove individual to fresh air. If not breathing, give artificial respiration or oxygen as appropriate. Seek immediate medical attention. Prompt action is essential.

Skin Contact:

To avoid abrasion, flush skin with water and remove contaminated clothing. Wash shoes and clothing before reuse.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. Consult a doctor if irritation persists.

Ingestion:

Immediately drink water to dilute. Immediately seek medical advice.

Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammability Summary (OSHA):

Flammable Properties:	Non combustible
Flash Point:	None
Autoignition Temperature:	Not applicable
Lower Flammable/Explosive Limit, % in a	Not applicable
Upper Flammable/Explosive Limit, % in a	Not applicable
Fire/Explosion Hazards:	Not a hazard

Extinguishing Media:

Use equipment appropriate to the source of the main fire.

Do not allow contaminated water to enter sewers or waterways.

Fire Fighting Instructions:

Do not allow contaminated water to enter sewers or waterways.

Hazardous Combustion Products:

Carbon dioxide may be generated from heating, but product will not burn.

6. Accidental Release Measures

Personal Protection for Emergency Situations:

Evacuate the area of all unnecessary personnel.

Spill Mitigation Procedures

Air Release:

Physical form makes this event non hazardous.

Water Release:

This material has virtually no solubility in water. Contain all liquid for treatment and/or disposal.

Notify all downstream users of possible contamination, if appropriate.

Land Release:

Sweep up for later use. Do not create dust during recovery.

Additional Spill Information:

Stop source of spill as soon as possible and notify appropriate personnel.

Dispose of spill residues per guidelines under Section XIII, Disposal Considerations.

7. Handling and Storage

Handling:

Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash with water. Avoid breathing dust or mist.

Storage

Keep container closed. Store in a cool area away from moisture and acids.

Shelf Life Limitations:

See label or certificate of analysis for shelf life if applicable.

Incompatible Materials for Storage:

Refer to Section X, "Incompatible Materials."

8. Exposure Controls and Personal Protection

Ventilation:

Local exhaust ventilation or other engineering controls may be required when handling or using this product indoors. For general use out of doors, stay upwind, or otherwise out of any dust generated during application.

Protective Equipment for Routine Use of Product

Respiratory Protection:

Respirator Type(s):

Use masks for nuisance dusts if necessary.

Skin: Wear impervious gloves (butyl rubber, Viton, e.g.) to avoid skin contact. Follow good industrial hygiene practices.

Eyes: Use chemical safety glasses with side shields, safety goggles and/or a full face shield where dusting is possible.

Protective Clothing Type: Impervious

Exposure Limit Data : See Section II

Chemical Name NIOSH Level Immediately Dangerous to Life or Health:

Not found

9. Physical Data

Physical State: Powder

Color: Speckled white

Odor: Characteristic, mild

Molecular Weight: Not applicable

pH (@ 25 Deg. C): Not applicable
Octanol/Water Coeff: No data

Solubility in Water: Partially water soluble
Bulk Density: Not available
Specific Gravity: Not available

Vapor Density (Air = 1): Not applicable
Vapor Pressure: (@ 25 Deg. C): Not applicable
Evaporation Rate (Butyl acetate =1): Not applicable

Volatiles % by vol.: None
Boiling Point: Not applicable
Freezing Point: Not applicable

10. Stability and Reactivity

Stability and Reactivity Summary:

Stable under normal conditions.

Reactive Properties:

Sensitivity to mechanical shock: None
Hazardous Polymerization: Will not occur
Conditions to Avoid: Exposure to moist air to avoid absorption of water from air.
Chemical Incompatibility: Acids
Incompatible packaging materials: None known.
Hazardous Decomposition Product: None
Decomposition Temperature: No data
Product May Be Unstable At Temperatures Above: No data

11. Toxicological Information

Component Animal Toxicology:

Oral LD50 value mg/kg: No data
Dermal LD50 value mg/kg: No data
Inhalation LC50 value: No data
Component fetal effects: None

Skin Irritation:

This material is expected to be moderately abrasive.

Eye Irritation:

This material is expected to be severely irritating from its abrasive nature.

Reproductive and Developmental Toxicity:

See "Component fetal effects" above in this section.

Mutagenicity:

No data

Carcinogenicity:

This chemical is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

12. Ecological Information

Ecological Toxicity Values:

Environmental fate: No information found.
Environmental Toxicity: No information found

13. Disposal Considerations

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL
THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES
AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS

Waste Disposal Summary:

Product as made has none of the characteristics of a hazardous waste.

Potential US EPA Waste Codes:

None

Disposal Methods:

Dispose of in accordance with local, state and federal regulations.

Components subject to land ban restrictions:

No components subject to land ban restrictions.

14 Transportation Information	
Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number	
For non bulk land shipment:	Not regulated
Labels required per 49 CFR 172.101:	None
Size for "Limited quantity" per 49 CFR 173.150-.155:	Not regulated
Reportable Quantity ("RQ") per 49 CFR 172.101:	Not applicable
CFR 173: Passenger aircraft / rail:	Not regulated
Cargo aircraft only:	Not regulated
Vessel stowage:	Not regulated
Other:	Not regulated

15. Regulatory Information

UNITED STATES:

Toxic Substances Control Act (TSCA):

The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Superfund Amendments and Reauthorization Act (SARA) Title III:

See Section III of this MSDS.

Hazard Categories Sections 311/312 (40 CFR 370.2):

Health:

Acute Yes

Chronic No

Physical: None

Emergency Planning & Community Right to Know (40 CFR 355, App. A):

Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:

Not applicable

State Right-to-Know Regulations Status of Ingredients

Pennsylvania: No information

New Jersey: No information

Massachusetts: No information

16. Additional Information

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200, and ANSI Z400.1-2004. This information should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. We believe this information to be reliable and up to date as of its publication date., but make no warranty that it is. If this MSDS is more than three years old you should contact the supplier to make sure the information is still current.