

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL IDENTIFICATION

Organic Humus

Contains organisms and nutrients from organic matter inputs

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

Denali Gold™, Organic Humus
Alaska Organics, LLC
P.O. Box 81946
San Diego, CA 92138

SECTION 3. HAZARDS IDENTIFICATION

APPEARANCE: Dark brown solid, approximately 30% water

Caution. This is a low hazard for usual industrial handling. May cause eye and skin irritation. May cause digestive tract irritation if consumed. May cause allergic response in people sensitive to humics and soil fungi.

Not flammable

POTENTIAL HEALTH EFFECTS:

Eye:

Non-irritating; possible reaction to humics.
Low hazard for usual industrial handling.

Skin:

Low hazard for usual industrial handling. Possible reaction to humics and soil
Fungi

Ingestion

Ingestion may cause gastrointestinal irritation similar to consuming soil. Low
hazard for usual industrial handling.

Inhalation

Low hazard for usual industrial handling. Do not allow material to dry to low
moisture levels. Inhalation of dried material may cause respiratory irritation
similar to dust

Chronic

No reports of health effects have been recorded.

SECTION 4. FIRST AID MEASURES

Eyes

Flush eyes with water. If irritation develops, get medical attention.

Skin

Wash skin with plenty of water. Remove and wash clothing.

Ingestion

If swallowed, constipation is likely. If this reaction is noted, use stool softener. Get medical aid if irritation or symptoms persist.

Inhalation

Do not allow material to dry excessively. Remove from exposure to fresh air if irritation occurs. Get medical aid if cough or other symptoms appear.

SECTION 5..FIRE FIGHTING MEASURES

Non-flammable solid, risk similar to soil held in containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

General: Use personal protective equipment if allergy to humic materials or soil fungi exists

Maintain aeration in this material at all times to prevent microbial growth from consuming oxygen below 6 ppm. Be conscious of potential contamination; do not let contaminated materials come in contact or mix with this solid.

Use sponge, water vacuum, other typical wet mop procedures to remove spillage. Humic materials may leave brown stain. Use dilute bleach or peroxide applications to remove color.

If stored improperly and container swells, vent slowly to release pressure. If container is swollen, and material comes in contact with skin, eyes, or is inhaled, wash with copious amounts of water.

SECTION 7. HANDLING AND STORAGE

Wash hands thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Avoid ingestion and inhalation. Wash clothing before-use.

Store in cool, well-ventilated, covered containers. Avoid contamination with any human pathogens. No special precautions indicated.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Keep ventilated and store in cool area. Do not expose to direct UV, or high temperatures.

Wear appropriate protective equipment whenever working with industrial applications. Protect eyes and skin as appropriate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Solid. pH should be neutral. Consists of mostly water, humic materials, bacteria, fungi, protozoa and nematodes. Not ignitable; non-flammable, unless inappropriately stored; i.e., too wet, or in contact with contaminated materials.

SECTION 10. STABILITY AND REACTIVITY

Stable at room temperature as long as aerated properly

Do not add other sources of carbon

If stored in non-aerated container, carbon dioxide and alcohol may be generated and accumulated. Vent before opening.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute effects: None known

Irritation data: None known

Toxicity data: None known

Target organ data: None known

SECTION 12. ECOLOGICAL INFORMATION

No known lethal dose. Improves biology and activity of organisms: Inoculum of forest soil organisms and humic materials.

SECTION 13. DISPOSAL CONSIDERATIONS

Do not exceed flow rates when transferring to receptacles. No RCRA restrictions listed.

SECTION 14. TRANSPORT INFORMATION

Keep aerated, do not seal container. Transport considerations otherwise similar to soil.

SECTION 15. REGULATORY INFORMATION

Material must be tested to assure human pathogens and pests not present. No listing with any federal agency.

SECTION 16. OTHER INFORMATION

The above information is believed to be accurate and represents the best information currently available, but does not purport to be all inclusive and shall be used only as a guide. However no liability, express or implied, is assumed with respect to this information and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes and uses. In no way will the company be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.