



SAFETY DATA SHEET



1. IDENTIFICATION	
Product Identifier:	SHAC Granular Feed Additive for Odour Control in Swine
Synonyms:	Oxidized lignite coal solution and perlite
Recommended Use:	Odor control and ammonia gas reductions in swine operations
Restrictions on Use:	Use only as directed on manufacturer label
Canadian Supplier Identifier:	SHAC Solutions Inc. PO Box 73 Medicine Hat, Alberta, Canada T1A 7E5
Emergency Telephone Number:	1-888-533-4446
2. HAZARD IDENTIFICATION	
THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER THE HAZARDOUS PRODUCTS REGULATIONS	
Hazard Classification:	Not considered a hazardous material/substance; non-toxic as tested
Label Elements:	Read product label before product use
3. COMPOSITION / INFORMATION ON INGREDIENTS	
Chemical Name (composition):	Oxidized lignite coal, water, perlite
Common name / synonyms:	Oxidized lignite coal solution and perlite
Chemical Abstract Service (CAS) no.:	129521-66-0 (lignite/leonardite) 93763-70-3 (perlite)
Chemical name of impurities or additives:	N/A
4. FIRST AID MEASURES	
Inhalation:	Follow first aid procedures for inhalation of a solid (dust inhalation is possible if material has lost moisture). Remove individual from location to fresh air. May cause respiratory tract irritation - seek medical attention if difficulty with breathing develops.
Skin Contact:	Rinse skin with water, shower if needed. Adverse effects not expected.
Eye Contact:	Rinse eyes with water for ten minutes to remove particles; do not rub eyes. May cause eye irritation - seek medical attention if irritation persists.
Ingestion:	Rinse mouth with water; dilute stomach contents with water. Adverse effects not expected. No evidence of serious adverse effects following chronic exposure or acute single exposure events.
5. FIRE FIGHTING MEASURES	
Flammability:	Non-flammable
Extinguishing Media:	In case of fire in vicinity of product, use extinguishing media suitable for the specific source of fire.
Specific Hazards:	N/A
Special Protective Equipment:	N/A
6. ACCIDENTAL RELEASE MEASURES	
Emergency Procedures:	Non-hazardous. No harmful effects expected; notify regional authorities if significant release to environment occurs
Methods for Containment:	Accidental release may be contained by sweeping or shoveling the material into suitable disposal container. If the material has become dry, dampen by spraying with water to reduce dust formation. Avoid unnecessary handling of product, which may compromise packaging materials. Dispose of empty packaging materials promptly.

7. HANDLING AND STORAGE	
Handling Precautions:	Handle in accordance with good industrial hygiene and safety practices; avoid contact with eyes, skin, clothing; transport in temperature-controlled means of conveyance.
Storage Precautions:	Store indoors, in a temperature-controlled location; product must not be transported or stored in conditions below 0°C or above 50°C
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION MEASURES	
Occupational Exposure Limits:	Oxidized lignite coal solution: no limits established; not classified as hazardous Perlite: ACGIH TLV 10 mg/ m ³ NIOSH REL TWA 10 mg/m ³ (total); TWA 5 mg/m ³ (resp.) OSHA PEL TWA 15 mg/m ³ (total); TWA 5 mg/m ³ (resp.) Dust: In addition to the limits for perlite, the following dust exposure limits apply: ACGIH TWA 10 mg/m ³ (total dust); TWA 3 mg/m ³ (resp. dust) OSHA TWA 15 mg/m ³ (total dust); TWA 5 mg/m ³ (resp. dust) Consult Provincial occupational exposure regulations and guidelines for further information regarding exposure limits in Canada.
Biological Exposure Limits:	No limits established; not classified as hazardous
Engineering Controls:	Use appropriate personal protective equipment
Personal Protective Equipment:	Ensure adequate ventilation to keep concentrations below exposure limits. Wear safety goggles when applying; loose-fitting gloves to be worn when handling; respiratory protection not required under normal application conditions; product may stain clothing. The product contains adequate moisture to minimize dust - if product has become dry and/or dust-forming, wear appropriate NIOSH/OSHA approved dust respirator, NIOSH/OSHA safety glasses or goggles and gloves.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Black/brown granules
Odor:	Low odor; clean organic/lignite
Odor Threshold:	N/A
pH:	2.7 – 3.0 (pH of the oxidized lignite coal solution)
Freezing Point:	0°C
Boiling Point:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability:	Non-flammable; no LEL or UEL established
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	0.6
Moisture:	May contain up to 50% moisture. The product may gain or lose moisture over time, dependant on containment and humidity/temperature conditions.
10. STABILITY AND REACTIVITY	
Reactivity:	Non-reactive
Chemical Stability:	Stable under conditions for which product use is intended
Conditions to Avoid:	Avoid freezing conditions
Incompatible Materials:	None known
Hazardous Decomposition Products:	None known
11. TOXICOLOGICAL INFORMATION	
Routes of Exposure:	Skin contact, eye contact, ingestion, inhalation
Symptoms of Exposure:	No serious adverse effects expected; minor eye or respiratory irritation possible
Toxicity:	Non-toxic as analyzed for CFIA registration purposes
12. ECOLOGICAL INFORMATION	
Eco-toxicity / Adverse Effects:	No known ecological concerns or adverse effects

13. DISPOSAL CONSIDERATIONS	
Disposal requirements:	Disposal to be conducted in accordance with all applicable environmental regulations and municipal sewer/landfill requirements.
14. TRANSPORT INFORMATION	
UN Number:	N/A; not considered hazardous material
Department of Transportation:	N/A; not considered hazardous material
15. REGULATORY INFORMATION	
Current Registrations:	Product is registered with the Canadian Food Inspection Agency (CFIA): Registration#: 480549 for use as a feed additive in swine operations.
Canadian Environmental Protection Agency (CEPA):	CAS # 129521-66-0: substance is not specified on CEPA lists; there are no control measures imposed on this substance
US EPA TSCA:	CAS # 129521-66-0 not listed in the TSCA inventory
16. OTHER INFORMATION	
Revision Date:	February 27, 2022