



SAFETY DATA SHEET



1. IDENTIFICATION	
Product Identifier:	SHAC Manure Digester
Synonyms:	Liquefied oxidized lignite
Recommended Use:	Reduces odors and promotes bio-digestion of waste solids
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 label before product use
3. COMPOSITION / INFORMATION ON INGREDIENTS	
Chemical Name (composition):	Oxidized lignite, water
Common name / synonyms:	Liquefied oxidized lignite
Chemical Abstract Service (CAS) no.:	129521-66-0 (lignite/leonardite)
Chemical name of impurities or additives:	N/A
4. FIRST AID MEASURES	
Inhalation:	Follow first aid procedures for inhalation of a liquid
Skin Contact:	Rinse skin with water, shower if needed
Eye Contact:	Rinse eyes with water for ten minutes to remove particles; do not rub eyes
Ingestion:	Rinse mouth with water; dilute stomach contents with water 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:	No harmful effects expected; notify regional authorities if significant release to environment occurs
Methods for Containment:	Accidental release may be contained with use of absorbent materials
7. HANDLING AND STORAGE	
Handling Precautions:	Handle in accordance with good industrial hygiene and safety practice; 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:	No limit established; not classified as hazardous
Biological Exposure Limits:	No limit established; not classified as hazardous
Engineering Controls:	Use appropriate personal protective equipment

Personal Protective Equipment: Wear safety goggles when spraying; loose-fitting gloves to be worn when handling; respiratory protection not required under normal application conditions (outdoors or adequate ventilation); product may stain clothing

9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Black/brown liquid
Odor:	Low odor; clean organic/lignite
Odor Threshold:	N/A
pH:	2.7 – 3.0
Freezing Point:	0°C
Boiling Point:	98°C
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:	1.03
Moisture:	95%

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 skin irritation possible
Toxicity:	Non-toxic as tested (<i>Oncorhynchus mykiss</i> 96 hr static acute test)

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	
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
