



## SAFETY DATA SHEET



<b>1. IDENTIFICATION</b>	
Product Identifier:	SHAC Shactivate Septic Digester
Synonyms:	Liquefied oxidized lignite
Recommended Use:	Reduces odors in septic systems and sewers; promotes bio-digestion and solids breakdown in waste management systems
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
<b>2. HAZARD IDENTIFICATION</b>	
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
<b>3. COMPOSITION / INFORMATION ON INGREDIENTS</b>	
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
<b>4. FIRST AID MEASURES</b>	
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
<b>5. FIRE FIGHTING MEASURES</b>	
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
<b>6. ACCIDENTAL RELEASE MEASURES</b>	
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
<b>7. HANDLING AND STORAGE</b>	
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
<b>8. EXPOSURE CONTROLS AND PERSONAL PROTECTION MEASURES</b>	
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

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
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%
<b>10. STABILITY AND REACTIVITY</b>	
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
<b>11. TOXICOLOGICAL INFORMATION</b>	
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)
<b>12. ECOLOGICAL INFORMATION</b>	
Eco-toxicity / Adverse Effects:	No known ecological concerns or adverse effects
<b>13. DISPOSAL CONSIDERATIONS</b>	
Disposal requirements:	Disposal to be conducted in accordance with all applicable environmental regulations and municipal sewer/landfill requirements.
<b>14. TRANSPORT INFORMATION</b>	
UN Number:	N/A; not considered hazardous material
Department of Transportation:	N/A; not considered hazardous material
<b>15. REGULATORY INFORMATION</b>	
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
<b>16. OTHER INFORMATION</b>	
Revision Date:	June 1, 2017