

Material Safety Data Sheet

SECTION 1. PRODUCT IDENTIFICATION

CHEMICAL FAMILY: organic carbon liquid
MANUFACTURED BY: SHAC Environmental Products Inc. PO Box 73, Medicine Hat, AB, T1A 7E5

EMERGENCY TELEPHONE NUMBER:
1-888-533-4446

DESCRIPTION: blackish / brown liquid
TRADE NAME: **SHAC Manure Digester**
PRODUCT USE: 1. reduces odors. 2. promotes biodigestion and waste solids breakdown
NOT A CONTROLLED PRODUCT UNDER WHMIS

SECTION 2. HAZARDOUS INGREDIENTS

INGREDIENTS: Liquefied lignite coal (water, oxidized lignite coal)
Lignite Coal CAS # 129521-66-0
LC₅₀ (Species & route): not applicable
TVL (AGGIH): None currently established - used mainly outdoors

SECTION 3. PHYSICAL DATA

PHYSICAL STATE: liquid
BOILING POINT: not available
APPEARANCE: blackish/brown
ODOR: clean coal
SPECIFIC GRAVITY: not applicable
VAPOR DENSITY: (air = 1) not available
DENSITY: 1.1 g/ml
COEFFICIENT OF WATER/OIL DISTRIBUTION: n/a
ODOR THRESHOLD: not applicable
VAPOR PRESSURE: not applicable
EVAPORATION RATE: not applicable

SECTION 4. FIRE AND EXPLOSION HAZARD

FLAMMABLE: No
FLASH POINT: (Test method); not applicable
AUTOIGNITION TEMPERATURE: not applicable
FLAMMABLE LIMITS IN AIR, % BY VOLUME: n/a
EXTINGUISHING MEDIA: not applicable
HAZARDOUS COMBUSTION PRODUCTS: not known
LEL: not applicable
UEL: not applicable

SECTION 5. REACTIVITY DATA

STABILITY: stable
INCOMPATIBLE PRODUCTS: none known
HAZARDOUS POLYMERIZATION: will not occur
CONDITIONS OF CHEMICAL UNSTABILITY: not applicable.
CONDITIONS OF REACTIVITY: none

SECTION 6. HEALTH HAZARDS

LD₅₀ (Mixture): not applicable
LC₅₀ (Mixture): not applicable

EFFECTS OF SINGLE (ACUTE)

OVEREXPOSURE:
SWALLOWING: No evidence of adverse effects from available information.
SKIN ABSORPTION: No evidence of adverse effects from available information.
INHALATION: No evidence of adverse effects from available information.
SKIN CONTACT: Staining may occur - wash with soap and water. No harmful effects expected.
EYE CONTACT: No harmful effects expected from vapour. If splashed in eyes, rinse with water to remove particles.

EFFECTS OF REPEATED (CHRONIC)

OVEREXPOSURE: No evidence of adverse effects from available information.
SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH
HAZARD EVALUATION: None currently known.

SECTION 7. PREVENTATIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT TO BE USED:
RESPIRATORY PROTECTION: Not required.
PROTECTIVE GLOVES: Wear loose-fitting gloves.
EYE PROTECTION: It is recommended that goggles be worn when spraying.

SECTION 8. FIRST AID

INHALATION: Not applicable.
INGESTION: Dilute the stomach contents giving water or milk.
EYES: Flush with water to remove particles, which may cause irritation
SKIN: Remove clothing and wash with soap and water.

SECTION 9. PREPARATION DATA

PREPARED BY: SHAC Environmental Products Inc. January 4, 2011
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