

R-Crete Inc.

# SAFTEY DATA SHEET

## SECTION 1: PRODUCT IDENTIFIER

**Common Name:** Slump Aid, Lignosite

**Synonyms:** Lignosulfonate

**Recommended uses:** Cement additive

### Details of the supplier of the safety data sheets

R-CRETE INC.  
P.O. Box 80286  
Rancho Santa Margarita, CA 92688  
949-888-8401 Fax 949-858-5720

### Emergency telephone number

Emergency Telephone Number: 949-888-8401

## SECTION 2: HAZARDOUS INGREDIENTS

### Classification of the substance or mixture

The product does not have to be classified.

### Label elements

**Signal word:** Warning

### Other hazards:

Nuisance dust.

OSHA Hazard Category: Combustible Dust. Warning. May form combustible dust concentrations in air.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS#	Proportion	Risk Phrases
Lignosulfonate	8061-51-6	≥ 92%	

## SECTION 4: FIRST AID MEASURES

<b>Eyes:</b>	If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical
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	advice.
<b>Skin:</b>	If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.
<b>Inhalation:</b>	Seek Fresh Air
<b>Ingestion:</b>	Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.
<b>Notes to Physician:</b>	Very low toxicity. LD50>2000 mg / kg (acute oral rat) for similar products.

**Most important symptoms and effects, both acute and delayed**  
Nuisance dust.

**Indication of any immediate medical attention and special treatment needed**  
None

### SECTION 5: FIREFIGHTING MEASURES

<b>Extinguishing Media</b>	Use water spray, carbon dioxide, dry chemical, alcohol-type or universal-type foams applied by manufacturer`s recommended techniques.
<b>Fire/Explosion Hazards</b>	Flammable solids may provide conditions for a dust explosion.
<b>Fire Fighting Procedures</b>	Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid formation of dust. Provide good ventilation. See section 8 for type of protective equipment.
<b>Clean Up</b>	Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

### SECTION 7: HANDLING AND STORAGE

**Handling**                      Work under effective process ventilation (e.g. local exhaust ventilation).

**Storage**                        Store in a dry, cool, well-ventilated area. Avoid accumulation of dust.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Substance Name	Time Period	Mg/m <sup>3</sup>	Comment
Nuisance dust (OSHA PELV)	8h	15	total
Nuisance dust (OSHA PELV)	8h	5	respirable

**Biological threshold values:**

Avoid formation of dust.

**Appropriate engineering controls:**

Provide good ventilation.

**Personal Protective Equipment:**

<b>Eyes and Face</b>	Wear safety goggles if there is a risk of dust contact with eyes.
<b>Respiratory</b>	Wear respiratory protective equipment with P2 filter when performing dusty work. NIOSH approved dust mask recommended.
<b>Hands, Body, and Arms</b>	In the event of direct skin contact, wear protective gloves:

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>State</b>	Powder
<b>Color</b>	Brown
<b>Odor</b>	Mild
<b>Melting point</b>	NA
<b>Freezing point</b>	NA
<b>Solubility in Water:</b>	100% Soluble
<b>pH (3% Sol.)</b>	7-9.5
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash Point</b>	Not applicable.
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Flammability limits</b>	Not applicable.
<b>Explosion limits vol%</b>	LEL: 0.2 oz./cu.ft. UEL: 3.5 oz./cu.ft.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	Not applicable.
<b>Partition coefficient n-octanol/water</b>	100% Water
<b>Auto-ignition temperature</b>	>400 C (dust)
<b>Decomposition temperature</b>	>200 C
<b>Viscosity</b>	Not applicable.
<b>Odor threshold</b>	Not applicable.

**Other information**

Parameter	Units/Remarks
Density	0.37 - 0.56 g/ml (bulk density)
Combustible Dust Characteristics	MIE: 1130 mJoule; Kst: St1 (0-200 bar*m/s); Part size: 100% < 150 micron.

**SECTION 10: STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Reactivity</b>	Not reactive.
<b>Conditions to Avoid</b>	Avoid formation of dust. Avoid spark due to static electricity.
<b>Materials to Avoid</b>	Contact with strong oxidizing agents.
<b>Polymerization</b>	Will not occur.
<b>Hazardous Decomposition</b>	Typical combustion products.
<b>Other Precautions</b>	Dust explosion hazard.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Eyes:</b>	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
<b>Skin:</b>	Repeated or prolonged skin contact may lead to irritation.
<b>Inhalation:</b>	Breathing in dust may result in respiratory irritation.
<b>Ingestion:</b>	No adverse effects expected, however, large amounts may cause nausea and vomiting. LD50 (rat) >5000mg/kg

**SECTION 12: ECOLOGICAL INFORMATION****Toxicity**

Organism	Species	Exposure Time	Test Type	Value	Source
Acute Algae	Scenedesmus subspicatus	24, 48, 72h	EC50	> 600mg/l	Similar product
Acute Daphnia	Daphnia magna	24, 48h	EC50	> 1000mg/l	Similar product
Acute fish	Brachydanio		EC50	> 1000mg/l	Similar product

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No effect on the environment. Based on existing data, the classification criteria are deemed not to have been met.

**Persistence and degradability**

Partially biodegradable COD: 3300 mg O<sub>2</sub>/L (0.25% solution)

**Bioaccumulative potential**

No bioaccumulation expected.

**Mobility in soil**

Solubility in water: Completely miscible

**Results of PBT and vPvB assessment**

The product does not contain any PBT or vPvB substances.

**Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal Method**      Dispose of in accordance with Local Authority requirements.

**SECTION 14: TRANSPORT INFORMATION**

<b>Proper Shipping Name</b>	Not regulated
<b>Primary Hazard Class/Division</b>	Not regulated
<b>UN/NA Number</b>	Not applicable
<b>Label(s), Placard(s), Marking(s)</b>	Not applicable
<b>Reportable Quantity (RQ)</b>	None
<b>49 STCC Number</b>	Not applicable
<b>ADR (EU), TDG (Canada)</b>	Not regulated
<b>IMDG (sea), ICAO (air), IATA (air)</b>	Not regulated

**Special precautions for user:**

None.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:**

Not applicable.

**Other Information:**

DOT Class 55 Lignin Pitch - Harmonized Tariff Code for US:3804.00.1000-0

**SECTION 15: REGULATORY INFORMATION**

**Special Provisions:**

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**Authorisations / limitations:** Global inventory status: Australia: On AICS Australian Inventory of Chemical Substances, June 1996 Ed Canada: On DSL Supplement to Canada Gazette, Part I, January 26, 1991 China: On IECSC Inventory of Existing Chemical Substances in China, 2013 Japan: On ENCS Unlisted chemical name. For ENCS chemical class or category name, refer to ENCS No. 8-209. Korea: On ECL Korean Existing Chemicals List, January 1997, ECL Serial No.: KE-04572 Mexico: On INSQ National Inventory of Chemical Substances in Mexico, 2012 New Zealand: On NZIoC New Zealand Inventory of Chemicals, 2006 May be used as a single component chemical under an appropriate group standard. Philippines: On PICCS Philippines Inventory of Chemicals and Chemical Substances, 2000 Switzerland: On SWISS Giftlist 1 (List of Toxic Substances 1), 31 May 1999, SWISS No.: G-44534 USA: On TSCA Inventory January 2015 TSCA Inventory EPA Flags: XU Exempt from Update Rule

### **Chemical Safety Assessment**

The product does not have to be classified.

## **SECTION 16: OTHER INFORMATION**

### **Vendor notes:**

Information given in this safety data sheet is in accordance with our information, and to the best of our knowledge, was correct on the last revision date. Information given is intended to present guidelines for safe handling, use, processing, storage, transport, disposal and discharge; it is not intended to be a guarantee or quality specification. It is the responsibility of the recipient of this safety data sheet to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product.