

# MATERIAL SAFETY DATA SHEET

Meets 91/155/EEC and ISO 11014-1

## COMPANY DETAILS

Name: LignoTech South Africa  
Address: P.O. Box 743, Umkomaas, 4170  
Telephone: +27(0) 39 9736000  
Fax. No.: +27(0) 39 973 6015  
Emergency Telephone No.: +27(0) 39 973 6019

## 1 Product Identification

Product: **DUSTEX LIQUID**  
Chemical Family: Lignosulphonates

## 2 Composition/Information on Ingredients

Product Description: Calcium Lignosulphonate  
CAS No.: 8061 52 7 (Calcium Lignosulphonate)  
EINECS No.: 23 25 064 (Calcium Lignosulphonate)  
Hazardous Components: None

## 3 Hazards Identification

Main Hazard: None  
Flammability: Non-flammable  
Chemical Hazard: None  
Eye Effects – eyes: Not an eye irritant.  
Health Effects –skin: Not a skin irritant.  
Health Effects – ingestion: Not expected to be the primary route of exposure.  
Health Effects – inhalation: May cause irritation to nasal tract.

#### **4 First Aid Measures**

Product in the eye:	Flush immediately with copious amounts of tap water. Seek medical attention if necessary.
Product on the skin:	Wash with water.
Product Ingested:	Drink water.
Inhalation:	Remove to fresh air.

#### **5 Fire Fighting Measures**

Extinguishing Media:	Water, Foam or Carbon Dioxide.
Protective Clothing:	Standard fire-fighting protective clothing is required.
Hazardous Decomposition Products:	Sulphur Dioxides, Carbon Monoxide

#### **6 Accidental Release Measures**

Personal Precaution:	Rubber gloves and safety goggles are recommended.
Environmental Precaution:	Do not discharge concentrated, undiluted product into lakes, streams, ponds, estuaries, oceans and other waters.
Spills:	Liquids: Dam area to prevent spill from spreading. Liquids/Solids/Powder: Minimize adverse effects on the environment. Recover as much as possible of pure product into appropriate containers. Later, determine if this recovered product can be used for its intended purpose.

#### **7 Handling And Storage**

Handling/Storage Precautions:	Store in a cool dry place. Rubber gloves and safety goggles are recommended. Eye-wash fountains in the work place are strongly recommended.
Incompatible Materials:	None

**8 Exposure Controls/Personal Protection**

TLV:	5mg/m <sup>3</sup>
Personal Protection – respiratory:	Respiratory protection is recommended.
Personal Protection – hand:	Product is not a skin irritant. Rubber gloves are recommended.
Personal Protection – eye:	Safety glasses are required.
Personal Protection – skin:	Product is not a skin irritant.
Other Protection:	Eye wash fountain in the workplace is strongly recommended. Ensure adequate ventilation.

**9 Physical and Chemical Properties**

Physical State:	Viscous liquid.
Colour:	Brown
Odour:	Very slight odour
pH (10% solution):	5.4 ± 3.0
Dry Matter:	55.0 ± 1.0%
Density(25 <sup>0</sup> C):	1285 kg/m <sup>3</sup>
Solubility:	Soluble in water
Solubility in Organic Solvents:	Very Low
Partition coefficient: (N-octanol/water)	Method for determination is not available for this product.
Vapour Pressure:	Not Applicable
Boiling Point/Range	Not Applicable
Melting Point/Range	Not Applicable
Flash Point:	Not Applicable
Explosive Properties:	None
Autoignition Temperature:	> 150 deg.C

### 10 Stability and Reactivity

Hazardous Decomposition Products: Not known

Materials to Avoid: Not known

Conditions to Avoid: Not known

### 11 Toxicological Information

Acute Toxicity: LD<sub>50</sub> : > 5 g/kg

Skin Irritant: According to the OECD Guidelines No. 404, 1981, this product is not classified as a skin irritant.

Eye Irritant: According to the OECD Guidelines No. 405, 1981, this product is not classified as a skin irritant.

### 12 Ecological Information

Aquatic Toxicity – Fish: According to OECD Method No. 203 this product is classified as not fish toxic.

Aquatic Toxicity – Algae: No data available.

Biodegradability: According to OECD Method No. 302B, this product is classified as inherently biodegradable.

Summary: Not toxic or harmful to aquatic organisms.

### 13 Disposal Conditions

Disposal Method: Dispose in accordance with local/national regulations governing the disposal of waste materials.

Disposal of Packaging: Residues of packing may be incinerated unless local disposal regulations state otherwise.

### 14 Transport Regulations

Regulations: No transport regulations for this product.

References: Marpol, Annex II, Appendix III.

**15 Regulatory Information**

Information: Not classified as dangerous for supply or conveyance.

**16 Other Information**

None

The information on this Material Safety Data Sheet corresponds to the actual level of our knowledge. This information is not a product specification and cannot be a base for contractual use. The user of this product is responsible for the observation of existing laws and directives.