

MATERIAL SAFETY DATA SHEET

Meets 91/155/EEC and ISO 11014-1

COMPANY DETAILS

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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 ³
Personal Protection – respiratory:	Under normal conditions in the field and in normal use the smell of the product is reported as pleasant. However, hot Dustex Liquid (>70 deg Celcius) has been reported to have a mildly pungent aroma, which can be irritating for sensitive field workers exposed to the material at such elevated temperatures. Sensitive field workers can protect themselves by using a respirator should it be required.
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 ⁰ C):	1285 kg/m ³
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 ₅₀ : > 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.