

MATERIAL SAFETY DATA SHEET

Meets 91/155/EEC and ISO 11014-1

COMPANY DETAILS

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1 Product Identification

Product: **DUSTEX**
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
Appearance: Brown free flowing powder with very slight odour.

Chemical Entity	CAS No.	Proportion
Calcium Lignosulphonate	8061 52 7	VHIGH
Water	7732 18 5	LOW
Non hazardous ingredients	-	balance
Total		100%

Proportion (% weight per weight):
VHIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, VLOW <1

3 Hazards Identification

This material is not classified as hazardous or Dangerous Goods for transport.

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.
If effects persist, seek medical attention.	
Notes to physician:	Treat symptomatically.

5 Fire Fighting Measures

Specific Hazards:	Non - combustible
Extinguishing Media:	Water, Foam or Carbon Dioxide.
Protective Clothing:	Standard fire-fighting protective clothing is required.
Hazardous Decomposition Products:	Sulphur dioxides, Carbon Monoxide. Not combustible, however following evaporation of aqueous component residual material may burn if ignited. On burning may emit fumes. Fire fighters to wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6 Accidental Release Measures

Personal Precaution:	Rubber gloves, safety goggles and dust mask are recommended.
Environmental Precaution:	Do not discharge concentrated, undiluted product into lakes, streams, ponds, estuaries, oceans and other waters.
Spills:	Liquids/Solids/Powder: Avoid accidents by cleaning up immediately. Wear protective equipment to prevent skin and eye contamination. Contain – use a vacuum to collect powder spills to minimize dust formation. Avoid water contact with large powder spills, since powder will become sticky and slippery. Prevent run offs of liquids into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers for either re-use(if possible) or disposal.

7 Handling And Storage

Handling:	Avoid skin and eye contact and inhalation of powder dust. Use a dust mask, rubber gloves and safety goggles. Eye-wash fountains in the work place are strongly recommended.
Storage:	Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in section 10. Keep containers closed when not use – check regularly for leaks.
Incompatible Materials:	Incompatible with strong oxidizing agents.

8 Exposure Controls/Personal Protection

TLV:	5mg/m ³ (inert organic dust)
Personal Protection – respiratory:	Dust mask to be worn during clean up operation or when powder is exposed.
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.
Engineering Measures:	Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.

9 Physical and Chemical Properties

Physical State:	Free flowing powder.
Colour:	Brown
Odour:	Very slight odour
pH (10% solution):	3.5 ± 1.0
Dry Matter:	Min. 93%
Bulk Density:	> 500 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 (°C):	Not applicable
Melting Point (°C):	> 130 deg.C
Flash Point (°C):	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:	In common with many organic chemicals, the product may in certain circumstances (>450 deg.C) form flammable dust clouds in air. The product is treated to minimize dust formation.
Stability:	Incompatible with strong oxidizing agents

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.

No adverse health effects expected if product is handled in accordance with this Safety Data Sheet and product label. Symptoms or effects that may arise if the product is mishandled and over exposure are:

Acute Effects:

Inhalation:	Material may be an irritant to the mucous membranes and respiratory tract.
Skin Contact:	Contact with skin may result in irritation.
Eye Contact:	May be an eye irritant.
Ingestion:	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Long Term Effects:	No information available for product.

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. Not classified as Dangerous Goods and is non – hazardous.
References:	Marpol, Annex II, Appendix III.
Haz. Chem. Code:	Not applicable as product is non – hazardous.

15 Regulatory Information

Information:	Not classified as dangerous for supply or conveyance. Non – hazardous.
Poison Schedule:	Not Applicable.

16 Other Information

Literary Reference

This Material Safety Data Sheet meets the requirements of 91/155/EEC and ISO 11014-1.

Date of revision: 10 November 2009

Revision Status: 2

Reason for Revision: Routine update

This MSDS summarises at the date of issue our best knowledge of the health hazard information of the product, and in particular how to safely handle and use the product in the workplace. This information is not a product specification and cannot be a base for contractual use. It is the responsibility of the user to review this MSDS prior to using this product and observe existing laws and directives.