

Material Safety Data Sheet – HydroTac**Company Details:**

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1. Product and Company Identification

Trade Name: HydroTac
Chemical name: Calcium Lignosulphonate
Hazchem-code: 8061 52 7 (Calcium Lignosulphonate)
EINECS No: 23 25 064 (Calcium Lignosulphonate)
Hazardous Composition: Non-hazardous

2. Composition / Information on Ingredients

Ingredient	CAS Number	EC Number	Content
Calcium Lignosulphonate	8061 52 7	617-124-1	>60%
Water	7732 18 5		<9%
Non- Hazardous ingredient	Not Available	Not Available	Remainder
Total			100%

3. Hazards Identification**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK SOUTH AFRICA CRITERIA**

HMIS/NFPA: Health: 1 Fire: 0 Reactivity: 0
Main Hazard: Health (low)
Flammability: Non-flammable
Chemical Hazard: None
Combustion products: Carbon dioxide

4. First-Aid Measures

Eye exposure:	Effect: Not an eye irritant. Care should be taken not to expose it to the eyes First Aid: Immediately flush with large volumes of clean cool water for 15 minutes. See a physician, preferably an Ophthalmologist for further evaluation.
Skin exposure:	Effect: Not a skin irritant First Aid: Wash off water.
Inhalation:	Effect: Exposure to powder may cause irritation to nasal tract. First Aid: Remove from exposure to fresh air. If symptoms persist seek medical attention.
Ingestion:	Effect: Not likely to occur under normal use. Drink lots of water to dilute ingested product First Aid: Do not induce vomiting. Rinse mouth with water, and then drink a large amount of water. Seek immediate medical attention.

5. Fire-Fighting Measures

Specific hazard:	Non-flammable.
Extinguishing media:	Water, foam and carbon Dioxide can be used as distinguishing media.
Protective clothing:	Standard fire-fighting clothing required
Hazardous decomposition products:	Decomposition products Sulphur dioxide and carbon Monoxide.

6. Accidental Release Measures

When cleaning spills (large or small), wear appropriate protective clothing.

Refer to section 8 below, Exposure Controls / Personal Protection Equipment.

Spills:	When cleaning spillages, contain the contaminated area to prevent the spillage from spreading further. Keep out of municipal or storm water sewers and open bodies of water. Minimise adverse effects on the environment. Recover as much as possible of the neat product into appropriate containers.
Environmental Precaution:	Do not discharge concentrated, undiluted product into lakes, streams, ponds, estuaries, oceans and other water born areas

Any surface soil contaminated with the product should be shovelled into appropriate containers.

Refer to section 13 below, Disposal Considerations, for the safe disposal of waste products.

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 container closed when not use – check regularly for leaks.
Incompatible Materials:	Incompatible with strong oxidizing agents.

8. Exposure Controls / Personal Protection

Wear appropriate protective clothing (PPE):

Footwear:	Safety footwear
Respiratory protection:	Dust mask
Hand protection:	Rubber gloves
Eye protection:	Safety goggles and or other specified protective eyewear.
Head Protection:	Protective helmet where needed
Body protection:	Long sleeves overalls

9. Physical and Chemical Properties

Appearance:	Brown free flowing powder with very slight odour.
Physical state:	Free flowing brown powder
Bulk Density:	500kg/m ³
pH:	3.5 ± 1.0
Dry matter:	93%
Water Solubility:	Total
Solubility in organic substances:	Very Low
Boiling point:	Not applicable
Odour:	Very slight
Melting Point (°C):	> 130 deg.C
Flash Point (°C):	Not applicable
Explosive Properties:	None
Autoignition Temperature:	> 150 deg.C

10. Stability and Reactivity

Stable under normal conditions
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

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. (Lignosulphonates are used commercially as soil binders for dirt roads). The residual chemical content will not cause toxic contamination of ground water.

13. Disposal Considerations

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.

The concentrated product, absorbed by suitable absorbents as described in Section 6, Accidental Release Measures, can be removed to a dumping site. Dispose according to local regulations.

14. Regulatory Information**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
14.1 UN Number	None Allocated	None Allocated	None Allocated
14.2 Proper Shipping Name	None Allocated	None Allocated	None Allocated
14.3 Transport Hazard class	None Allocated	None Allocated	None Allocated
14.4 Packing Group	None Allocated	None Allocated	None Allocated

15. Exposure limit

Information: Not classified as dangerous for supply or conveyance. Non-hazardous.

Poison Schedule: Not Applicable.

Other Information

Literary Reference

This Safety Data Sheet meets the requirements of 91/155/EEC and ISO 11014-1.
Refer to the Product Bulletin for application details.