Safety Data Sheet – HydroTac Powder

Details of the supplier of the safety data sheet

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Rapid Spill	24h Response	0800 172 743

1. Product and Company Identification

Trade Name: HydroTac
Chemical name: Sodium Lignosulphonate
Hazchem-code: 8061 51 6 (Sodium Lignosulphonate)
EINECS Number: Polymer
Hazardous Composition: Non-hazardous

2. Composition / Information on Ingredients

Ingredient	CAS Number	ECS Number	Content
Dry / Solid Content (m/m)	8061 51 6	Polymer	>93 %
Sodium (refer to dry substance)	Not Available	Not Available	>12 %
Insoluble (m/m) at 40%	Not Available	Not Available	≤ 4 %

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 on 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. Minimize 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 workplace 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

General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
The usual precautionary measures are to be adhered to when handling chemicals.

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:	600kg/m^3
pH:	5 - 8 (10% solution)
Dry matter:	96 % ± 2
Water Solubility:	Total
Boiling point:	Not applicable
Odour:	Very slight
Melting Point (0C):	> 130 deg.C
Flash Point (0C):	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

Based on actual testing or on data for similar material(s).

Acute Toxicity:	Not Available.
Acute oral LD50:	Single dose oral toxicity is considered to be low. The oral LD50 for rats is >2000mg/kg. No hazards anticipated from swallowing small amounts incidental to normal handling operations.
Acute dermal LD50:	The LD50 for skin absorption in rats is >2000mg/kg.
Acute inhalation LC50:	No adverse effects are anticipated from mild inhalation.
Skin & Eye Contact:	Not Available.
Acute skin irritation:	May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.
Acute eye irritation:	May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.
Dermal sensitization:	Not Available.

12. Ecological Information

Product is classified as nontoxic to aquatic organisms and is classified as inherently biodegradable. However, large spill into natural water systems is expected to cause acute short-term toxicity to aquatic life due to depletion of dissolved oxygen levels in the water. Once enough natural dilution has occurred no long-term effects are expected. The main organic component will tend to bind soil particles together and will naturally decompose over time (Lignosulphonate is 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.

Recommended cleansing agents: Water, if necessary, together with cleansing agents.

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.

No exposure limits have been specifically investigated for this product. The primary risks would be associated with skin exposure, inhalation of mists and ingestion. Acute toxicity is not expected on skin exposure. Provided the product is rinsed off the skin promptly after exposure no long-term effects are expected.

16. Other Information

Literary Reference

This Safety Data Sheet meets the requirements of 91/155/EEC and ISO 11014-1.
This safety data sheet is valid for two years from the last revision date unless there are some changes in the product.
Refer to the Product Data Sheet