Safety Data Sheet – HydroWet

Details of the supplier of the safety data sheet:

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1. Product and Company Identification

Trade Name: HydroWet
Product form: Liquid
Chemical name: Surfactant
Hazchem-code: Non-hazardous

2. Composition / Information on Ingredients

Chemical nature: Surfactant linear alkyl benzene with sodium salts
CAS Number: 64811-30-3

3. Hazards Identification

Hazardous substance for aquatic life. This material is classified as hazardous to aquatic life. This is not classified as dangerous goods for the purpose of transport by road, rail, sea or air transport

HMIS/NFPA: Health: 1 Fire: 0 Reactivity: 0

Hazard Statements: May cause significant skin and eye irritation. Symptoms include redness and / or itching of the skin / eyes with tear formation.
H319 – Causes serious eye irritation
H315 – Causes skin irritation
H401- Harmful if swallowed
H302 – Toxic to aquatic life
Flammability: Non-flammable
Chemical Hazard: None
Combustion products: Carbon dioxide

4. First-Aid Measures

Eye exposure:
Effect: Direct contact may cause redness and irritation.
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: Direct prolonged contact may be irritating to the skin
First Aid: Remove contaminated clothing immediately. Wash off affected area thoroughly with lots of water. If irritation or other symptoms develops seek medical attention.

Inhalation:
Effect: Exposure to mists may cause irritation to the nose
First Aid: Remove from exposure to fresh air. If symptoms persist seek medical attention.

Ingestion:
Effect: Vomiting may occur. May be harmful to the mouth, throat and stomach if ingested, although a specific toxic effect is not expected.
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

The product is non-flammable. Water, foam and carbon Dioxide can be used as distinguishing media. Wear respirator (Pressure-demand, self-contained breathing apparatus) and full protective gear. 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. Clay, soil, or commercially available adsorbents may be used to recover any material that cannot be recovered as neat product.

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:
Like most chemicals avoid eye contact. Use safety goggles and gloves

Storage:
Store in a closed container or bulk storage facility with a lid to avoid chemical from being exposed to bacteria. 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. Do not store next to strong acids, alkaline and / or oxidisers. When handling, wear appropriate protective clothing.

8. Exposure Controls / Personal Protection

Wear appropriate protective clothing (**PPE**):

Footwear:	Impermeable safety footwear
Respiratory protection:	When required
Hand protection:	Rubber gloves
Eye protection:	Safety goggles and or other specified protective eyewear. When loading or unloading tanker, a face shield should be worn.
Head Protection:	Protective helmet
Body protection:	Long sleeves overalls

9. Physical and Chemical Properties

Appearance:	Viscous; Translucent Light-Yellow Liquid
Physical state:	Light-Yellow viscous flowing liquid
Density:	1.05g/ml @ 20°C
pH:	8 ±2 (2% solution)
Viscosity:	90cps @ 20°C
Water Solubility:	Soluble; can foam considerably
Solubility in organic substance:	Very low
Boiling Point:	100°C (Water)
Odour:	Clean surfactant characteristic
Flash Point (^{0}C):	Not applicable
Explosive Properties:	None
Autoignition Temperature:	Not applicable

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 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

Transportation:	Non-hazardous and no transport regulations required for this product.

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.
Refer to the Product Data Sheet