



MSDS – HYDROWET

Revision No.

001/HYDROWET

Revision Date.

30 NOV 2020

Document No.

DASH-HSE-SDS03
HYDROWET

Material Safety Data Sheet – HydroWet

Company Details:

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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

Ingredient	CAS Number	EC Number	Content
Surfactant(s) linear alkyl benzene with sodium salts	64811-30-3	270-115-0	30%
2-Methyl-4-Isothiazolin-3-One	2682-20-4	220-239-62	<0.001%
5-Chloro-2-Methyl-4-Isothiazolin-One	26172-55-4	247-500-7	<0.001%
Water	7732-18-5	231-791-2	Remainder

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

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

Classification regulation (EC) No 1272/2008 (CLP)

Precautionary Statements

Prevention:

P280: Wear protective gloves / protective clothing / eye
P264: Wash thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P273: Avoid release to the environment

Other hazards:



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Other hazards not contributing to the classification
Spillages may cause slippery conditions

4. First-Aid Measures

Eye exposure: **P305 + P351 + P338: IF IN EYES:** Flood the eyes with clean, cool water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. See a physician, preferably an ophthalmologist for further evaluation.
P310 – immediately see/call doctor

Skin exposure: **P302 + P352: IF ON SKIN:** Wash thoroughly with plenty water.
P362: Take off contaminated clothing and wash before reuse
P332+ P313: Obtain medical attention if skin irritation occurs. Wash or dry-clean contaminated clothing before re-use.

Inhalation: Not likely to be inhaled

Ingestion: **P330:** Rinse mouth. **P301+P312: IF SWALLOWED:** Dilute ingested product by giving water to drink. Induce vomiting. Do not give anything by mouth to an unconscious person.
Note: Ingestion of large quantities is unlikely due to the nature of the product. Treat symptoms if this occurs.

5. Fire-Fighting Measures

Extinguishing Media: Use water spray; foam; dry chemical or carbon dioxide
Unsuitable Extinguishing media: Avoid using large quantities of water
Special Hazards: Fumes containing carbon dioxide; carbon monoxide and sulphur dioxide may be formed in large fires. Makes floor extremely slippery.
Protective Equipment: Self-contained breathing apparatus

6. Accidental Release Measures

When cleaning spills (large or small), wear appropriate protective clothing. **Refer to section 8 below, Exposure Controls / Personal Protection Equipment.**

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.

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

Should be handled like any chemical product. Do not store next to strong acids, alkaline and/or oxidisers. When handling, wear appropriate protective clothing. **Refer to section 8 below, Exposure Controls / Personal Protection Equipment.**



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8. Exposure Controls / Personal Protection Equipment

Wear appropriate protective clothing:

Footwear:	Impermeable safety footwear
Respiratory protection:	When required
Hand protection:	Full length Neoprene or Nitrile gloves
Eye protection:	Safety goggles, Face Shield (optional)
Head Protection:	Protective helmet
Body protection:	Chemical resistant overalls and Rubber or impervious jacket with apron

9. Physical and Chemical Properties

Appearance:	Viscous; Translucent Light-Yellow Liquid
Specific Gravity:	1.0
pH:	6.0 – 8.0 (2% solution)
Water Solubility:	Soluble; can foam considerably
Odour:	Clean surfactant characteristic

10. Stability and Reactivity

Stable under normal conditions. May react with strong oxidants.

11. Toxicological Information

Information on toxicological effects:

Linear alkyl benzene surfactant, sodium salt	
LD50 oral	1080 mg/kg bodyweight
LD50 dermal	>2000 mg/kg bodyweight

Acute toxicity:	Harmful if ingested
Skin irritation:	May cause skin irritation
Eye irritation:	Cause serious eye irritation
Respiratory or skin sensitisation:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity:	Not classified
Aspiration hazard:	Not classified

12. Ecological Information

12.1 Ecotoxicity:

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Although linear alkyl benzene surfactants, sodium salts, are considered acutely toxic and chronically harmful to aquatic organisms, they are readily biodegradable within wastewater treatment process and the environment, and do not accumulate in the food chain. As a result, these products are deemed safe for the environment provided they are handled and used as recommended in compliance with applicable regulations.



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Linear alkyl benzene surfactant, sodium salt	
LC50 fish 1	1.67 mg/l
EC50 crustacean	2.4 mg/l EC50 daphnia (48 h)
EC50 Algae	47. 3 mg/l IC50 algae (72 h) mg/l

12.2 Persistence and degradability

Linear alkyl benzene surfactant, sodium salt:

OECD 301B Ready biodegradability-CO2 evolution test, 28 days: 85%

Result: readily biodegradable

12.3 Bioaccumulative potential

Linear alkyl benzene surfactant, sodium salt	
Log Pow	3.32
Bio Concentration Factor (BCF)	2 – 1000

12.4 Mobility

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13. Disposal Considerations

Disposal Method Product: When disposing of waste or surplus material avoid contact with eyes and skin
Do not wash into drains
Do not mix with other waste materials
Dispose of in accordance with all applicable local and national regulations

Disposal Method Packaging: Labels should NOT be removed from containers until they have been cleaned

Special precautions:

Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Uncleaned containers contained should not be treated as household waste. Empty containers or liners may retain some product residues. Empty containers should be cleaned by appropriate methods and then reused or disposed of by landfill or incineration. Where practical, containers and packaging should be recycled by a licensed contractor.

14. Transport Information

NOT CLASSIFIED AS A DANGEROUS GOOD IN ACCORDANCE WITH 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	None Allocated	None Allocated	None Allocated



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Name			
14.3 Transport Hazard class	None Allocated	None Allocated	None Allocated
14.4 Packing Group	None Allocated	None Allocated	None Allocated
14.5 Marine Pollutant	No	No	No

15. Regulatory Information

EEC Hazard Classification: None
Risk Phrases: R36 / 38 Irritating to eyes and skin
Safety Phrases: S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice
National Legislation: None

16. Other Information

Refer to the Product Bulletin for application details.