

DATA SHEET

Conforms to Regulation (EC) No 1272/2008 (CLP)

Reference No: MS 05 1

Date Compiled: January 2023

Date for Review: January 2025

Product Name: M3T 3005

Version: 1.4

No of Pages: 7

1. Produc	t ident	ification and Supplier Details				
Trade nam	ne:	M3T 3005			Chemical Abstract No:	Not listed
Substance	:	Surface Active Agent			NIOSH No:	Not listed
Substance	name:	Anionic Surfactant			Hazchem Code:	Not listed
Synonyms	:	Wetting agent, Spreader, Sticker			UN No:	Not listed
Product u	se:	Wetting, emulsification, de-agglomer	ration			
SUPPLY D	ETAILS					
Name:	Marin	e 3 Technologies Holdings (Pty) Ltd				
Address:	86 Ric	lge Road, Laser Park Honeydew	Postal:	PC) Box 33 Honeydew 2040	
			E-mail:	inf	fo@mosmart.co.za	
	Rood	epoort,				
Tel No:	011 67	75 0860	Fax:	011 47	75 1886	
2. Hazar	ds Iden	tification:				
2.1 Classif	ication o	of the substance				
		Sigr n according to Regulation (EC) No 1272	nal word 2/2008 (CLP):	Warr	ing	
Physical H						
No physic		ds				
Health Ha						
H303: Ma	y be har	mful if swallowed				
H319 : Ca	uses ser	ious eye irritation				
Preventio	n:					
P264 – Wa	P264 – Wash hands thoroughly after handling					
P281 – Use personal protective equipment as required						
P312 – Call a Poison Center or doctor if you feel unwell.						
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.						
P337+P313: If eye irritation persists: Get medical attention.						



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3. Composition:	
Hazardous components:	>50% Activated Sea Water
	<40% Proprietary IP
EU classification:	Surface Active Agent (SIC 2843)
Risk Phrases:	Non Toxic, Non Corrosive, Xi (Irritant)
4. First Aid Measures:	
Eye Contact:	Check for and remove any contact lenses. Flush out eyes with water. If irritation persists, seek medical attention.
Skin Contact:	Wash with plenty water.
Product ingested:	Wash mouth out with plenty water. If large quantity is ingested, do not Induce vomiting.
Product inhaled:	Remove from contaminated area. Other measures are unnecessary
5. Fire Fighting Measures:	
Extinguishing media:	Not flammable.
Special precautions/procedures:	Can be used as extinguishing medium.
Protective clothing:	Normal protective clothing
6. Accidental Release Measures:	
Personal precautions:	Rubber gloves and goggles. Slippery surfaces.
Environmental precautions:	Wash with abundant plenty water, not hazardous to environment
Small spills:	Clean up excess and wash remainder down normal drainage with plenty water.
Large spills:	Wash away with large quantities of water.
Neutralising agents (where applicable):	Water

7. Handling and Storage:

7.1 Precautions for safe Handling

Do **not** eat; drink or smoke in working areas. Wash hands after use. Use suitable water – impermeable gloves when handling product to avoid contamination to product and other tools in the work area. Wear suitable protective overalls when handling product. Wash containers with plenty of water if soiled with product, on the outside, ensure lid is tightly closed before this is done Avoid spilling product over large areas and clean as soon as product is spilled.

7.2 Conditions for safe storage

Store in a cool dry place with lids tightly closed.

Mix thoroughly before use.

Storage Class : 12 (non –combustible liquid as per TRGS 510)

Specific Use: Wetting, emulsification, de-agglomeration



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8. Exposure Controls/Personal Protection:		
Occupational exposure limits:	Not determined	
Engineering control measures:	ISO 9001 material handling standards	
Personal protection:	When handling product, use personal protective overalls, protective rubber gloves and protective eyewear	
Hygiene measures:	Avoid prolonged contact with concentrated product as it can cause slight skin irritation & Degreasing. Washing facilities with running water must be available.	

9. Physical and Chemical Properties:			
Appearance:	White semi gel liquid		
Odour:	Odourless		
pH:	7 to 8		
Boiling point:	100 C°		
Melting point:	3 C°		
Freezing point:	0 C°		
Flash point:	700 C°		
Flammability:	Non-flammable		
Auto flammability/self-combustion:	None		
Explosive properties:	Non-explosive		
Oxidizing properties/limit:	None		
Vapour pressure:	Not determined		
Density/specific gravity:	1.2		
Solubility - water:	Soluble		
Solubility - solvent:	Soluble		
Solubility - coefficient: 1			
10. Stability and Reactivity:			
10.1 Reactivity:	None under normal use		
10.2 Chemical Stability:	The mixture is chemically stable.		
10.3 Possibility of Hazardous Reactions: None			
10.4 Conditions to avoid:	None		
10.5 Incompatible materials:	None		
10.6 Hazardous decomposition products NaCl and AES			
11. Toxicological Information:			
(a) Acute toxicity: Rat LC50:	10 000mg/kg		
(b) Skin Irritation	Not determined		
(c) Eye irritation:	Not determined		
(d) Respiratory or skin sensation	Not determined		



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	Net determined			
(e) Germ and Cell Mutagenicity:	Not determined			
(f) Carcinogenicity:	Not determined Not determined			
(g) Reproductive Toxicity:(h) Chronic toxicity:	Not determined			
(i) Neurotoxicity:	Not determined			
	Not determined			
12. Ecological Information:	12. Ecological Information:			
Aquatic toxicity - fish:	60-d Saccobranchus fossilis EC20: 2 240 mg/ ℓ			
Aquatic toxicity - daphnia:	48-h Daphnia pulex LC50: 510 mg/ℓ			
Aquatic toxicity - algae:	72-h Selenastrum capricornutum Printz (algal) EC50: 2 035 mg/ℓ			
Aquatic toxicity - bacteria:	6-h Pseudomonas putida (bacterial) EC50: 874 mg/ℓ			
Biodegradability:	0.48 d ⁻¹ to 0.7 d ⁻¹ in surface water and 0,28 d ⁻¹ in soil			
Bio-accumulation:	2.5%			
Mobility:	Not determined			
Other:	The low composition of this product will have no ecological effect.			
	The product is readily biodegradable.			
	The product enhances bacteria growth.			
13. Disposal Requirements:				
Disposal methods:	According to local council requirement of a non toxic product			
Disposal of packaging:	Return to supplier or can be disposed of as domestic waste.			
14. Transport Information:				
UN No:	Not classified as dangerous goods			
Substance identity No:	HS Code: 3402.11			
ADR/RID	Not classified as dangerous in the meaning of transport regulations			
DOT (US)	Not classified as dangerous in the meaning of transport regulations			
IMDG	Not classified as dangerous in the meaning of transport regulations			
ΙΑΤΑ	Not classified as dangerous in the meaning of transport regulations			
15. Regulatory Information:				
15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture.				
Labelling according to EC directive				
No labelling required. The classification has been assessed following the conventional method regulation (EC) No 1272/2008 (CLP)				
EU Hazard classification:	Not listed			
Risk phrases:	Xi 36/38			
Safety phrases:	None			
National Legislation:	None			
16. Shelf Life				
Two years from date of manufacture				



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17. Other Information:

Relevant hazard statements (Number and Full text)

H315: Causes mild skin irritation after prolonged exposure.

This information is based on collective and current knowledge, is intended to describe the product for purposes of safety, environmental and health requirements only. It should therefore not be construed as guaranteeing any specific property of the product.

MSDS modified:	17 January 2023
Prepared by:	M. Thomas – Lab Technician
	A. Du. Plessis – QMS Rep

The employer must, in order to avoid the spread of contamination of a Hazardous Substance (HS), take steps, as far as reasonably practicable, to ensure:

- that the HS in storage or distributed are properly identified, classified and handled in accordance with SANS 10206 and SANS 10228;
- [b] that a container or a vehicle in which an HS is transported, is clearly identified, classified and packed in accordance with SANS 10228 and SANS 10229; and
- [c] That any container into which an HS is decanted is clearly labelled with regard to the contents the



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APPENDIX A: HAZARDOUS RATING EXPLAINED; M3T IS CLASSIFIED AS INSIGNIFICANT (1) BELOW		
HAZARDOUS	HEALTH	
	(Effect on health through inhalation, absorption, or ingestion and effect on	FIR

HAZARDOUS RATING	(Effect on health through inhalation, absorption or inges skin or eyes on direct contact)	tion and effect on FIRE/EXPLOSION
EXTREME (5)	Capable of causing death after short exposure to small que major injury on any contact with a small amount of concerned i.e. Oral toxicity $LD_{50} \le 5 \text{ mg/kg}$ Dermal toxicity $LD_{50} \le 40 \text{ mg/kg}$ Inhalation toxicity LC_{50} (Dust and mist – 1 hour of e Inhalation toxicity LC_{50} (Saturated vapour – 1 hour $\le 1000 \text{ ml/m}^3$	rtration. Flash point below 23°C (extremely flammable.) xposure) ≤ 0,5 mg/l Toxicity Index > 5
ні дн (4)	Capable of causing major temporary or major permanent short, frequent or prolonged exposure to small quantities on any contact with a small amount or concentration. i.e. Oral toxicity LD ₅₀ > 5 - 50 mg/kg Dermal toxicity LD ₅₀ > 40 - 200 mg/kg Inhalation toxicity LC ₅₀ (Dust and mist - 1 hour of explicitly LD ₅₀ > 3 000 ml/m ³	or significant injury Flash point between 23°C and 38 °C. Highly flammable. Toxicity Index > 4 – 5 (SABS Method TI)
MODERATE (3)	Capable of causing temporary or permanent health effect frequent or prolonged exposure or injury with frequent or Not life threatening or capable of causing serious effects i quantities.	prolonged contact.
LOW (2)	Capable of causing: - minor and readily reversible health e frequent or prolonged exposure. - Minor and readily reversible skin or direct contact or repeated contacts.i.e.Liquids Oral toxicity $LD_{50} > 50 - 200 \text{ mg/kg} > 50 - 50$ Dermal toxicity $LD_{50} > 200 - 1000 \text{ mg/kg} > 200 - 200 \text{ mg/kg}$ Inhalation toxicity LC_{50} (Dust and mist - 1 hour of exposur $> 2 - 10 \text{ mg/l}$ > 2 - 10Inhalation toxicity LC_{50} (Saturated vapour - 1 hour of exposur $< 5000 \text{ mg/s}$	eye irritation on any PO mg/kg . 000 mg/kg . 000 mg/kg e) mg/l sure)
INSIGNIFICANT (1)	No known: - health effect other than minor effects large quantities. - skin or eye effects on contact whether prolonged.	conditions.



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