

P.QD.029

SAFETY DATA SHEET

Date issued 05/21/2021

FB SERIES: BONDING LIQUID NANO TECH

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	FB SERIES	Product Name	BONDING LIQUID NANO TECH
Recommended use	A paint or paint constituent product		
Company Name	Promac Paints (Pty) Ltd		
Address	PO Box 75351 Lynwood Ridge 0040		
Telephone	012 804 7305		
Facsimile	012 804 2040		
Emergency Contact	-		
Contact	- T. Patel		
Contact number	- 012 804 7305		

SECTION 2. HAZARDS IDENTIFICATION

Overall Nature Hazardous goods
Classification reference SANS10234 (1272/2008/EC) :
Classification of the substance or mixture

- (H316) Skin corrosion/irritation, Hazard Category 3
 (H402) Hazardous to the aquatic environment ^ AcuteHazard, Category 3

GHS label elements, including precautionary statements

Signal word Warning
Pictograms None

Hazard and Precautionary Statements

- (H316) Hazard Statements
 Causes mild skin irritation
 (H402) Harmful to aquatic life
 Precautionary Statements
 Prevention Statements
 (P273) Avoid release to the environment. – if this is not the intended use.
 Response Statements
 (P332+P313) If skin irritation occurs: Get medical advice/attention.
 Disposal Statements
 (P501) Dispose of contents/container to ... in accordance with local/regional/ national/international regulation

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product type : Mixture **Generic name :**
CAS No. : Not applicable **EU Index No :** Not applicable **UN No :** Not applicable Not classified as dangerous for transport

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	% m/m	EC Label	CAS Number	EC Index
1 Items classified as hazardous but below reporting limit	0.54			
2 Items not classified as hazardous	99.45			

Classification reference SANS10234 (1272/2008/EC) of constituents

ref above table Hazard Code Pictogram Cutoff
 ref above table Classification

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SECTION 4. FIRST AID MEASURES

Inhalation	Move to fresh air.
Skin	Always wash after being in contact with chemical substances.
Eyes	Rinse with plenty of water. Seek medical advice if symptoms persist.
Ingestion	Give plenty of water/milk. Induce vomiting if patient conscious. Get medical advice.

SECTION 5. FIRE FIGHTING MEASURES

Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.
No direct explosion hazard expected.
Combustible with toxic fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.
Wear protective equipment (see Section 8). Keep unprotected persons away.
Do not allow product to reach sewage system or any water course.
Remove ignition sources and provide sufficient ventilation

SECTION 7. HANDLING AND STORAGE

Storage
Alkaline - corrosive. Caution with contact with non-ferrous metals.
No open flames. No smoking.

Dispose of contents/container to ... in accordance with local/regional/ national/international regulation

Handling
Ensure good ventilation/exhaustion at the workplace
Do not spray on a naked flame or any incandescent material
Eating, drinking and smoking in work areas is prohibited
Wash hands after use
Remove contaminated clothing and protective equipment before entering eating areas

Inhalation	In case of insufficient ventilation, use suitable respiratory protection.
Skin	Observe the rules of hygiene. Wash before eating, drinking or smoking.
Eyes	Avoid direct contact. Never touch eyes with dirty hands or gloves.
Ingestion	Observe the rules of hygiene. Wash before eating, drinking or smoking.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	CAS Number	TWA OEL	TWA OEL	STOEL	STOEL	OEL	Vap.Press.
BONDING LIQUID NANO TECH	Not applicable						
Components :							

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

Maintain air concentrations below occupational exposure standards, using engineering controls as necessary
Appropriate hand protection and protective clothing must always be used
Keep away from foodstuffs, beverages and feed
Wash hands before breaks and at the end of work

Avoid release to the environment. – if this is not the intended use.

Promac Paints (Pty) Ltd.

Reg. No.: 1992/007244/07 VAT Nr: 4320226139
 354 Derdepoort Road, Silverton, Pretoria. P.O. Box 75351, Lynnwood Ridge, 0040
 Tel: 012 804 7305 Fax: 012 804 6188 email: info@promacpaints.co.za
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HMIS Rating (USA) 1 - 2 - 0 - I (Health-Flam-Reactivity-PPE)
 SAPMA Rating 3-H-E PPE : Gloves, Respirator and Eye protection

Personal protective equipment :

Skin PPE : Overall and impervious gloves (eg nitrile rubber)

Respiratory PPE : Air purifying respirator (eg cartridge type)

Eye PPE : Faceshield or solvent resistant goggles

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Property	Value
Appearance	Water based emulsion
Odour	Slight
pH	>8
Boiling point	101°C
Melting point	not available
Flash point	>93°C
Explosive prop	not available
Oxidizing prop	not available
Vapour pressure	not available
Density	0.984-1.024Kg/L
Water solubility	miscible
Fat solubility	Oil : insoluble
Partition coefficient	not available
Viscosity	25-30 Sec
Vapour density	not available
Evaporation rate	not available
Autoignition temperature	not available
L.E.L.	not available
U.E.L.	not available
% non volatile	not available

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions
 No reaction with fire-fighting water

SECTION 11. TOXICOLOGICAL INFORMATION

Name	CAS Number	LD50 Oral	LD50 Skin	LC50 Inhal(gas)	LC50 Inhal(mist)
BONDING LIQUID NANO TECH	Not applicable	>500	-	-	-
Components :	-----	-----	-----	-----	-----

Inhalation	Irritating.
Skin	Direct contact to be avoided.
Eyes	Can cause damage.
Ingestion	Irritating and nauseating.

SECTION 12. ECOLOGICAL INFORMATION

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No available ecological data of ingredients :

May have short term environmental effects. Contain, monitor & remove
Aquatic toxicity : No further relevant information available
Persistence and degradability : No further relevant information available.
Bioaccumulative potential : No further relevant information available.
Mobility in soil : No further relevant information available.
Harmful to aquatic life

SECTION 13. DISPOSAL INFORMATION

Can be eliminated from sewage/effluent by chemical flocculation.
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

SECTION 14. TRANSPORT INFORMATION

UN Number Not applicable Not classified as dangerous for transport

SECTION 15. REGULATORY INFORMATION

Classification reference SANS10234 (1272/2008/EC) :

Classification of the substance or mixture

(H316) Skin corrosion/irritation, Hazard Category 3
(H402) Hazardous to the aquatic environment ^ AcuteHazard, Category 3

SECTION 16. OTHER INFORMATION

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.
HMIS Rating (USA) : 1 - 2 - 0 - I (Health-Flam-Reactivity-PPE)

Abbreviations

Code : Abbreviation : Meaning
C : : corrosive
N : : dangerous for the environment
==== : :
 : : Associated pictogram code shown in brackets
==== : :
GHS01 : : Exploding bomb
GHS02 : : Flame
GHS03 : : Flame over circle
GHS04 : : Gas cylinder
GHS05 : : Corrosion
GHS06 : : Skull and crossbones
GHS07 : : Exclamation mark
GHS08 : : Health hazard
GHS09 : : Environment
: %m/m : Percent by mass
: ATE : Acute Toxicity Estimate
: CAS : Chemical Abstracts Service
: CHIP : Chemicals (Hazard Information and Packaging for supply)
: CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
: CNS : Central Nervous System
: DIN : Standard of the German Institute for Standardisation
: DOT : Department of Transport
: EC : European Community
: EC50 : Effective Concentration (Median) for 50% of the response under test
: ECB : European Chemicals Bureau
: ECHA : European Chemicals Agency, Helsinki (http://echa.europa.eu/home_en.asp)
: EEC : European Economic Community
: EINECS : European Inventory of Existing Chemical Substances
: ELINCS : European List of Notified Chemical Substances
: GHS : Globally Harmonized System of Classification and Labelling of Chemicals
: HMIS : Hazardous Materials Information System (USA only)
: IATA : International Air Transport Association
: IMDG : International Maritime Dangerous Goods Code

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: IMO : International Maritime Organization
: INS : Guidance on Identification and Naming of Substances under REACH, ECHA, 2007
: ISO : International Standards Organisation
: L.E.L. : Lower explosive limit
: LD50/LC50 : Median (50%) lethal dose/concentration
: mg/m3 : Milligrams per cubic meter
: MSDS : Material safety data sheet
: n.a. : Not available
: NC : No Classification
: No : Number
: OEL : Occupational exposure limit
: OEL-CL : Occupational exposure limit - control limit
: OEL-RL : Occupational exposure limit - recommended limit
: OHS Act : Occupational Health and Safety Act
: P statement : Precautionary statement
: PPE : Personal protective equipment
: ppm : Parts per million
: REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
: RTDG : Regulations on the Transport of Dangerous Goods. Generic term that covers all modal transport regulations (ADR, RID, ADN, IMDG and ITDG)
: SABS : South African Bureau of Standards
: SANS : South African National Standards
: SAPMA : South African Paint Manufacturers Association
: SARA 313 : Toxic Release Inventory Reporting SRA Section 3
: SDS : Safety Data Sheet
: STOEL : Short-term occupational exposure limit
: STOT-RE : Specific Target Organ Toxicity - Repeated Exposure
: STOT-SE : Specific Target Organ Toxicity - Single Exposure
: TDG : Transport of Dangerous Goods
: TSCA : Toxic Substance Control Act (USA only)
: TWA : Time weighted average
: U.E.L. : Upper explosive limit
: UN : United Nations
: WHMIS : Workplace Hazardous Materials Information Systems (Canada only)
: ===== :

This SDS conforms with General Administrative Regulations of 6 Sept.1996 (SANS11014:2010/ISO11014:2009)
OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)
SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)
All information is given in good faith but without guarantee in respect of accuracy.
No responsibility is accepted for errors or omissions or the consequences thereof.

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