

P.QD.029

## SAFETY DATA SHEET

Date issued 05/21/2021

### FB SERIES: BONDING LIQUID SB

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

#### SECTION 2. HAZARDS IDENTIFICATION

**Overall Nature** Hazardous goods (Flammable liquid (flash-point between 23°C and 61°C inclusive))

**Classification reference SANS10234 (1272/2008/EC) :**

**Classification of the substance or mixture**

- (H226) Flammable liquids, Hazard Category 3
- (H316) Skin corrosion/irritation, Hazard Category 3
- (H304) Aspiration hazard, Hazard Category 1

**GHS label elements, including precautionary statements**

**Signal word** Danger

**Pictograms**



#### Hazard and Precautionary Statements

	<b>Hazard Statements</b>
(H226)	Flammable liquid and vapour.
(H316)	Causes mild skin irritation
(H304)	May be fatal if swallowed and enters airways.
	<b>Precautionary Statements</b>
	<b>Prevention Statements</b>
(P210)	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
(P233)	Keep container tightly closed.
(P240)	Ground and bond container and receiving equipment. – if the explosive is electrostatically sensitive.
(P241)	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
(P242)	Use non-sparking tools.
(P243)	Take action to prevent static discharges.
(P280)	Wear protective gloves/protective clothing/eye protection/face protection.
	<b>Response Statements</b>
(P301+P310)	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
(P303+P361+P353)	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
(P331)	Do NOT induce vomiting.
(P332+P313)	If skin irritation occurs: Get medical advice/attention.
(P370+P378)	In case of fire: Use... to extinguish.
	<b>Storage Statements</b>
(P403+P235)	Store in a well-ventilated place. Keep cool.
(P405)	Store locked up.
	<b>Disposal Statements</b>
(P501)	Dispose of contents/container to ... in accordance with local/regional/ national/international regulation

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Product type :** Mixture **Generic name :** PAINT OR PAINT RELATED MATERIAL, FLAMMABLE**CAS No. :** Not applicable **EU Index No :** Not applicable **UN No :** 1263**HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS**

Name	% m/m	EC Label	CAS Number	EC Index
1 n-BUTYL ACETATE	1.31	204-658-1	000123-86-4	607-025-00-1
2 2-BUTOXYETHANOL	2.02	203-905-0	000111-76-2	603-014-00-0
3 AROMATIC HYDROCARBON SOLVENT	2.62		-	o
4 XYLENE	2.62	215-535-7	001330-20-7	601-022-00-9
5 AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	20.36	265-199-0	064742-95-6*	649-356-00-4
6 Items classified as hazardous but below reporting limit	0.05			
7 Items not classified as hazardous	70.98			

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

ref above table	Hazard Code	Pictogram	Cutoff
1 Above Item 1	H226^H336^EUH066		GHS02^GHS07^Wng
2 Above Item 2	H332^H312^H302^H315^H319^		GHS07^Wng
3 Above Item 3	H226^H335^H304		GHS02^GHS07^GHS08^Dgr
4 Above Item 4	H226^H332^H312^H315^		GHS02^GHS07^Wng
5 Above Item 5	H304		GHS08^Dgr
ref above table	Classification		
1 Above Item 1	Flam. Liq. 3^STOT SE 3		
2 Above Item 2	Acute Tox. 4 ^Acute Tox. 4 ^Acute Tox. 4 ^Skin Irrit. 2^Eye Irrit. 2		
3 Above Item 3	Flam. Liq. 3^STOT SE 3^Asp. Tox. 1		
4 Above Item 4	Flam. Liq. 3^Acute Tox. 4 ^Acute Tox. 4 ^Skin Irrit. 2		
5 Above Item 5	Asp. Tox.1		

**SECTION 4. FIRST AID MEASURES**

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
- Keep victim calm and warm.

**SECTION 5. FIRE FIGHTING MEASURES**

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

CAUTION: For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.

**Small Fire**

- Dry chemical, CO2, water spray or regular foam.

**Large Fire**

- Water spray, fog or regular foam.
- Do not use straight streams.
- Move containers from fire area if you can do it without risk.

**Fire involving Tanks or Car/Trailer Loads**

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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**SPILL OR LEAK**

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- Prevent entry into waterways, sewers, basements or confined areas.
- A vapor-suppressing foam may be used to reduce vapors.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- Use clean, non-sparking tools to collect absorbed material.

**Large Spill**

- Dike far ahead of liquid spill for later disposal.
- Water spray may reduce vapor, but may not prevent ignition in closed spaces.

**SECTION 7. HANDLING AND STORAGE**

**Storage**

Store separately from : explosives, toxic gases, oxidising substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),

No open flames. No smoking.

Keep containers cool. Avoid free fall of liquid - use earthing.

Subject to local bylaws

Store in a well-ventilated place. Keep cool.

Store locked up.

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

Use barrier cream and impervious gloves.

Eyes

Use face shield & goggles or full face respirator/hood. Avoid direct contact.

Ingestion

Observe the rules of hygiene. Wash before eating or drinking.

**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 SB	Not applicable						
Components :							
n-BUTYL ACETATE	000123-86-4	710.	150.	950	200	RL	8.7
2-BUTOXYETHANOL	000111-76-2	120	25			CL S	.76
AROMATIC HYDROCARBON SOLVENT	-	435	100.			SUG S	
XYLENE	001330-20-7	435	100	650.	150.	RL+ S	6.7
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	064742-95-6*	1200				RL	

(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

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

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Ground and bond container and receiving equipment. – if the explosive is electrostatically sensitive.  
 Use explosion-proof [electrical/ventilating/lighting/...] equipment.  
 Use non-sparking tools.  
 Take action to prevent static discharges.  
 Wear protective gloves/protective clothing/eye protection/face protection.

HMS Rating (USA) 2 - 3 - 0 - 1 (Health-Flam-Reactivity-PPE)  
 SAPMA Rating 2-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	Viscous liquid
Odour	Pungent
pH	not available
Boiling point	>100°C
Melting point	not available
Flash point	>23°C
Explosive prop	not available
Oxidizing prop	not available
Vapour pressure	not available
Density	0.794-0.806Kg/L
Water solubility	--
Fat solubility	--
Partition coefficient	not available
Viscosity	10-25 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  
 Could generate static - USE EARTHING  
 No reaction with fire-fighting water  
 Keep away from : explosives, toxic gases, oxidising substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),

**POTENTIAL HAZARDS****FIRE OR EXPLOSION**

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

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- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a (P) may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.
- Substance may be transported hot.
- For hybrid vehicles, GUIDE 147 (lithium ion batteries) or GUIDE 138 (sodium batteries) should also be consulted.
- If molten aluminum is involved, refer to GUIDE 169.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Name	CAS Number	LD50 Oral	LD50 Skin	LC50 Inhal(gas)	LC50 Inhal(mist)
BONDING LIQUID SB	Not applicable	24390 ATEoral	23810 ATEdermal	90909 ATEgas	-
Components :					
n-BUTYL ACETATE	000123-86-4	14000 mg (Rat)			
2-BUTOXYETHANOL	000111-76-2	1480 mg (Rat)	230g		
AROMATIC HYDROCARBON SOLVENT	-	>5000 mg (Rat)			
XYLENE	001330-20-7	4300 mg (Rat)	>5000 mg (Rabbit)		
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	064742-95-6*	>5000 mg (Rat)			

<b>Inhalation</b>	Irritating.
<b>Skin</b>	Irritating, risk of dermatitis.
<b>Eyes</b>	Irritating.
<b>Ingestion</b>	Harmful. May cause lung damage if swallowed.

May be fatal if swallowed and enters airways.  
 Causes mild skin irritation

**POTENTIAL HAZARDS****HEALTH**

- Inhalation or contact with material may irritate or burn skin and eyes.
- Fire may produce irritating, corrosive and/or toxic gases.
- Vapors may cause dizziness or suffocation.
- Runoff from fire control or dilution water may cause pollution.

**SECTION 12. ECOLOGICAL INFORMATION**

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.

**SECTION 13. DISPOSAL INFORMATION**

Use reputable waste disposal contractors. Exercise caution in disposal of used containers.  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**SECTION 14. TRANSPORT INFORMATION**

<b>UN Number</b>	1263
<b>Shipping Name</b>	PAINT OR PAINT RELATED MATERIAL, FLAMMABLE
<b>IMO Class</b>	3
<b>Action Code</b>	128
<b>HazChem</b>	•3Y
<b>Packing Group</b>	III

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Kemler/ HIN Code 30

**SECTION 15. REGULATORY INFORMATION****Classification reference SANS10234 (1272/2008/EC) :****Classification of the substance or mixture**

- (H226) Flammable liquids, Hazard Category 3
- (H316) Skin corrosion/irritation, Hazard Category 3
- (H304) Aspiration hazard, Hazard Category 1

**SECTION 16. OTHER INFORMATION**

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.  
IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.  
HMIS Rating (USA) : 2 - 3 - 0 - I (Health-Flam-Reactivity-PPE)

**Hazard (H) phrases associated with components**

H304 : May be fatal if swallowed and enters airways.

**Abbreviations**

Code : Abbreviation : Meaning  
- : : flammable  
F : : highly flammable  
T : : toxic  
Xn : : harmful  
=====: :  
: : Associated pictogram code shown in brackets  
H304 : Asp. Tox. 1 : (GHS08) Aspiration hazard, Hazard Category 1  
=====: :  
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](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  
: 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

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: 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)  
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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.

(Date of issue : 05/21/2021 Date of analysis : 05/21/2021)