

SAFETY DATA SHEET

Date issued 12/11/2018

FB SERIES: QD STEEL PRIMER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	FB SERIES	Product Name	QD STEEL PRIMER
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	-- M.Soobramoney- 012 8047305		

SECTION 2. HAZARDS IDENTIFICATION

Overall Nature HAZARDOUS MIXTURE, DANGEROUS GOODS

Classification reference SANS10234 (1272/2008/EC) :

Classification of the substance or mixture

- (H225) Flammable liquids, Hazard Category 2
- (H313) Acute toxicity (dermal), Hazard Category 5
- (H332) Acute toxicity (inhalation), Hazard Category 4
- (H315) Skin corrosion/irritation, Hazard Category 2
- (H317) Sensitisation ^ Skin, Hazard Category 1
- (H351) Carcinogenicity, Hazard Category 2
- (H361d) Reproductive toxicity, Hazard Category 2
- (H373) Specific target organ toxicity ^ Repeated exposure, Hazard Category 2
- (H304) Aspiration hazard, Hazard Category 1

GHS label elements, including precautionary statements

Signal word Danger

Pictograms



Hazard and Precautionary Statements

Hazard Statements

- Highly flammable liquid and vapour
- May be harmful in contact with skin
- Harmful if inhaled
- Causes skin irritation
- May cause an allergic skin reaction
- Suspected of causing cancer
- Suspected of damaging the unborn child.
- May cause damage to organs through prolonged or repeated exposure
- May be fatal if swallowed and enters airways

Precautionary Statements

Prevention Statements

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment. – if the explosive is electrostatically sensitive.
- Use explosion-proof electrical/ventilating/lighting/.../ equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash ... thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

Use personal protective equipment as required.

Response Statements

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed or concerned: Get medical advice/ attention.

Call a POISON CENTER or doctor/physician if you feel unwell.

Get medical advice/attention if you feel unwell.

Specific treatment (see ... on this label). ... Reference to supplemental first aid instruction.

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/ attention.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Wash contaminated clothing before reuse.

In case of fire: Use powder/... for extinction.

Storage Statements

Store in a well-ventilated place. Keep cool.

Store locked up.

Disposal Statements

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product type : Mixture **Generic name :** PAINT PRODUCT

CAS No. : Not applicable **EU Index No :** Not applicable **UN No :** 1263

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	QD STEEL PRIMER	% m/m	EC Labels	CAS Number	EC Index
XYLENE		<23 %	- Xn	001330-20-7	601-022-00-9
TOLUENE		<12 %	F Xn	000108-88-3	601-021-00-3
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)					
2-AMINOETHANOL		<8 % <0.1 %	Xn C	064742-95-6* 000141-43-5	649-356-00-4 603-030-00-8

Classification reference SANS10234 (1272/2008/EC) :

EC Index	Classification Hazard Code Note
601-022-00-9	Flam. Liq. 3;Acute Tox. 4 ;Acute Tox. 4 ;Skin Irrit. 2 H226;H332;H312;H315 C ^A
601-021-00-3	Flam. Liq. 2;Repr. 2;Asp. Tox. 1;STOT RE 2 ;Skin Irrit. 2;STOT SE 3 H225;H361d ;H304;H373 ;H315;H336
649-356-00-4	Asp. Tox. 1 H304 H P ^A
603-030-00-8	Acute Tox. 4 ;Acute Tox. 4 ;Acute Tox. 4 ;Skin Corr. 1B H332;H312;H302;H314

SECTION 4. FIRST AID MEASURES

Inhalation	Move to fresh air. In case of discomfort seek medical attention.
Skin	Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention
Eyes	Rinse immediately with plenty of water. Seek medical advice.
Ingestion	DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media :

Foam. Dry powder. Fog to cool and control. Do NOT use water jets.

Specific hazards arising from the chemical :

Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!

Highly flammable with toxic fumes.

Cool containers in case of fire.

Special protective actions for fire-fighters :

Suitable extinguishing media : Foam, dry agent

Substance reacts violently/is explosive

For fires use breathing apparatus. If no fire, breathing apparatus not essential

Prevent, by any means available, spillage from entering drains or water courses

SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain & collect. Keep out of drains and 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 :

Store separately from : explosives, toxic gases, oxidising substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),
 No open flames. No smoking. No sparks.
 Keep containers cool. Avoid free fall of liquid - use earthing.
 Subject to local bylaws

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 or goggles. Avoid direct contact.
Ingestion Observe the rules of hygiene. Wash before eating or drinking.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	CAS Number	TWA OEL (mg/m3)	TWA OEL (ppm)	STOEL (mg/m3)	STOEL (ppm)	OEL Type	Vap.Press. (mmHg)
QD STEEL PRIMER	-	Not applicable					
Components :							
XYLENE	001330-20-7	435	100	650.	150.	RL+ S	6.7
TOLUENE	000108-88-3	188	50	560	150	RL+ S	1.9
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)							
2-AMINOETHANOL	064742-95-6* 000141-43-5	1200 8.	3.	15	6	RL RL	

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

OEL Type : Mixture

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

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

HMIS Rating (USA) 2 - 4 - 0 - I (Health-Flam-Reactivity-PPE)
SAPMA Rating 2-H-E PPE : Gloves, Respirator and Eye protection



Promac Paints (Pty) Ltd.

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**SPRAYBOOTH**

Spraybooth Type Spraybooth complying with National Standards
Skin PPE Nitrile Gloves
Eyes PPE Faceshield or solvent resistant goggles
Respiratory Protection Air supplied full facepiece or head covering respirator suitable for organic vapours/particulates

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Solvent base Paint
Odour	Typical
pH	tbe
Boiling point	>35°C
Melting point	not available
Flash point	<23°C
Explosive prop	not available
Oxidizing prop	not available
Vapour pressure	not available
Density	1.085-1.185 Kg/L
Water solubility	miscible
Fat solubility	Oil : miscible
Partition coefficient	not available
Viscosity	72-77 KU
Vapour density	not available
Evaporation rate	not available
Autoignition temperature	not available
L.E.L.	not available
U.E.L.	not available
% non volatile	40-45%

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions
 No reaction with fire-fighting water
 Keep away from : explosives, toxic gases, oxidising substances, organic peroxides, poisonous (toxic) substances, infectious substances (biohazards),

SECTION 11. TOXICOLOGICAL INFORMATION

Name	CAS Number	LD50 Oral mg/kg	LD50 Skin mg/kg	LC50 Inhal(gas) ppmV	LC50 Inhal(mist) mg/lt
-	-	-	-	-	-
QD STEEL PRIMER	Not applicable	1000000 ATEoral	4651 ATEdermal	19231 ATEgas	-
Components :					
XYLENE	001330-20-7	4300 mg (Rat)	>5000 mg (Rabbit)		
TOLUENE	000108-88-3	>2000 mg (Rat)	>2000 mg (Rat)		
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)					
	064742-95-6*	>5000 mg (Rat)			
2-AMINOETHANOL	000141-43-5	21000			

Inhalation HARMFUL. Excessive exposure to this material must be avoided.
Skin Irritating, risk of dermatitis. May be absorbed.
Eyes Irritating.
Ingestion Harmful. May cause lung damage if swallowed.
 MAY INDUCE EFFECTS ON REPRODUCTION/FERTILITY CAT 3. (EC/CHIP2)

SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove
 Acquatic 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.

No available ecological data of ingredients :

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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

UN Number	1263		
Shipping Name	PAINT PRODUCT		
IMO Class	3	Packing Group	II
Action Code	127		
HazChem	3[Y]E		
Kemler Code	30		



SECTION 15. REGULATORY INFORMATION

Classification reference SANS10234 (1272/2008/EC) :

Classification of the substance or mixture

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- (H317) Sensitisation ^ Skin, Hazard Category 1
- (H351) Carcinogenicity, Hazard Category 2
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- (H373) Specific target organ toxicity ^ Repeated exposure, Hazard Category 2
- (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 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

Hazard (H) phrases associated with components

- H225 : Highly flammable liquid and vapour
- H226 : Flammable liquid and vapour
- H302 : Harmful if swallowed
- H304 : May be fatal if swallowed and enters airways
- H312 : Harmful in contact with skin
- H314 : Causes severe skin burns and eye damage
- H315 : Causes skin irritation
- H332 : Harmful if inhaled
- H336 : May cause drowsiness or dizziness
- H361d : Suspected of damaging the unborn child.
- H373 : May cause damage to organs through prolonged or repeated exposure

Abbreviations

- Code : Abbreviation : Meaning
- : : flammable
- C : : corrosive
- F : : highly flammable
- Xn : : harmful
- ==== : :
- : : Associated pictogram code shown in brackets
- H225 : Flam. Liq. 2 : (GHS02) Flammable liquids, Hazard Category 2
- H226 : Flam. Liq. 3 : (GHS02) Flammable liquids, Hazard Category 3
- H302 : Acute Tox. 4 : (GHS07) Acute toxicity (oral), Hazard Category 4
- H304 : Asp. Tox. 1 : (GHS08) Aspiration hazard, Hazard Category 1
- H312 : Acute Tox. 4 : (GHS07) Acute toxicity (dermal), Hazard Category 4
- H314 : Skin Corr/Irrit 1A/1B/1C : (GHS05) Skin corrosion/irritation, Hazard Category 1A, 1B, 1C
- H315 : Skin Corr/Irrit. 2 : (GHS07) Skin corrosion/irritation, Hazard Category 2
- H332 : Acute Tox. 4 : (GHS07) Acute toxicity (inhalation), Hazard Category 4
- H336 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Narcosis
- H361d : Repr. 2 : (GHS08) Reproductive toxicity, Hazard Category 2

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H373 : STOT RE 2 : (GHS08) Specific target organ toxicity ^ Repeated exposure, Hazard Category 2

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: :

: %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
: 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)
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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.

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