

SAFETY DATA SHEET

Date issued 07/20/2020

BW SERIES: FE METAL DIRECT

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	BW SERIES	Product Name	FE METAL DIRECT
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	- 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

- (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
- (H319) Serious eye damage/eye irritation, Hazard Category 2
- (H317) Sensitisation ^ Skin, Hazard Category 1
- (H340) Germ cell mutagenicity, Hazard Category 1A, 1B
- (H350) Carcinogenicity, Hazard Category 1A, 1B
- (H372) Specific target organ toxicity ^ Repeated exposure, Hazard Category 1
- (H304) Aspiration hazard, Hazard Category 1

GHS label elements, including precautionary statements

Signal word Danger
Pictograms



Hazard and Precautionary Statements

- Hazard Statements**
- (H225) Highly flammable liquid and vapour
 - (H313) May be harmful in contact with skin
 - (H332) Harmful if inhaled
 - (H315) Causes skin irritation
 - (H319) Causes serious eye irritation
 - (H317) May cause an allergic skin reaction
 - (H340) May cause genetic defects
 - (H350) May cause cancer
 - (H372) Causes damage to organs
 - (H304) May be fatal if swallowed and enters airways
- Precautionary Statements**
- Prevention Statements**
- (P201) Obtain special instructions before use.
 - (P202) Do not handle until all safety precautions have been read and understood.
 - (P210) Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 - (P233) Keep container tightly closed.
 - (P240) Ground/bond container and receiving equipment. – if the explosive is electrostatically sensitive.
 - (P241) Use explosion-proof electrical/ventilating/lighting/.../ equipment.
 - (P242) Use only non-sparking tools.
 - (P243) Take precautionary measures against static discharge.
 - (P260) Do not breathe dust/fume/gas/mist/vapours/spray.
 - (P261) Avoid breathing dust/fume/gas/mist/vapours/spray.

(P264)	Wash ... thoroughly after handling.
(P270)	Do not eat, drink or smoke when using this product.
(P271)	Use only outdoors or in a well-ventilated area.
(P272)	Contaminated work clothing should not be allowed out of the workplace.
(P280)	Wear protective gloves/protective clothing/eye protection/face protection.
	Response Statements
(P301+P310)	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
(P302+P352)	IF ON SKIN: Wash with plenty of soap and water.
(P303+P361+P353)	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
(P304+P340)	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
(P305+P351+P338)	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P308+P313)	IF exposed or concerned: Get medical advice/ attention.
(P314)	Get medical advice/attention if you feel unwell.
(P321)	Specific treatment (see ... on this label). ... Reference to supplemental first aid instruction.
(P331)	Do NOT induce vomiting.
(P332+P313)	If skin irritation occurs: Get medical advice/ attention.
(P333+P313)	If skin irritation or rash occurs: Get medical advice/attention.
(P337+P313)	If eye irritation persists: Get medical advice/attention.
(P362+P364)	Take off contaminated clothing and wash before reuse
(P370+P378)	In case of fire: Use powder/... for extinction.
	Storage Statements
(P403+P235)	Store in a well-ventilated place. Keep cool.
(P405)	Store locked up.
	Disposal Statements
(P501)	Dispose of contents/container in accordance with local/regional/ national/international regulations in accordance with local/regional/ national/international regulation
(302+P312)	not found

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	% m/m	EC Label	CAS Number	EC Index
1 XYLENE	<27 %	215-535-7	001330-20-7	601-022-00-9
2 BENZENE C6H6	<6.5 %	200-753-7	000071-43-2	601-020-00-8
3 AROMATIC SOLVENT	<1.3 %		MIX	o
4 AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	<25 %	265-199-0	064742-95-6*	649-356-00-4

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

ref above table	Hazard Code	Pictogram -
1 Item 1 above	H226;H332;H312;H315	GHS02^! GHS07^Wng
2 Item 2 above	H225;H350;H340;H372 ;H304;H319;H315	GHS02^! GHS08^! GHS07^Dgr
3 Item 3 above	H226;H335;H304	GHS02^! GHS07^! GHS08^Dgr
4 Item 4 above	H304	GHS08^Dgr
ref above table	Classification	
1 Item 1 above	Flam. Liq. 3;Acute Tox. 4 ;Acute Tox. 4 ;Skin Irrit. 2	
2 Item 2 above	Flam. Liq. 2;Carc. 1A;Muta. 1B;STOT RE 1;Asp. Tox. 1;Eye Irrit. 2;Skin Irrit. 2	
3 Item 3 above	Flam. Liq. 3;STOT SE 3;Asp. Tox. 1	
4 Item 4 above	Asp. Tox.1	

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 well with water and seek medical advice if discomfort persists.
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. 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 :**

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

Use respiratory protection.

Skin

Avoid direct contact. Use barrier cream and impervious gloves.

Eyes

Avoid any form of direct contact. Do not touch eyes with dirty hands or gloves.

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)
FE DTM	-	Not applicable					
Components :	-----	-----	-----	-----	-----	-----	
XYLENE	001330-20-7	435	100	650.	150.	RL+ S	6.7
BENZENE C6H6	000071-43-2	16	5			CL+	100
AROMATIC SOLVENT	MIX					MIX	5
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	064742-95-6*	1200				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) 3 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

SAPMA Rating 1-H-E PPE : Gloves, Respirator and Eye protection



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Viscous liquid
Odour	Pungent
pH	not available
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	1.160-1.200Kg/L
Water solubility	--
Fat solubility	--
Partition coefficient	not available
Viscosity	80-100KU
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

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),

SECTION 11. TOXICOLOGICAL INFORMATION

Name	CAS Number	LD50 Oral	LD50 Skin	LC50 Inhal(gas)	LC50 Inhal(mist)
-	-	mg/kg	mg/kg	ppmV	mg/ltr
FE DTM	Not applicable	t.b.e.	3937 ATEdermal	16393 ATEgas	-
Components :	-----	-----	-----	-----	-----
XYLENE	001330-20-7	4300 mg (Rat)	>5000 mg (Rabbit)		
BENZENE C6H6	000071-43-2				
AROMATIC SOLVENT	MIX				
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	064742-95-6*	>5000 mg (Rat)			

Inhalation

Toxic. Exposure to this material must be avoided.

Skin

HARMFUL BY CONTACT. Potential Carcinogen. May be absorbed.

Eyes

Irritating - may cause damage if not given prompt attention.

Ingestion

Harmful. May cause lung damage if swallowed.

HUMAN CARCINOGEN CAT 1. (EC/CHIP2)

SECTION 12. ECOLOGICAL INFORMATION

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.

No available ecological data of ingredients :

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		



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
- (H340) Germ cell mutagenicity, Hazard Category 1A, 1B
- (H350) Carcinogenicity, Hazard Category 1A, 1B
- (H372) Specific target organ toxicity ^ Repeated exposure, Hazard Category 1
- (H304) Aspiration hazard, Hazard Category 1

SECTION 16. OTHER INFORMATION

Take precautionary measures against static. A potential carcinogen Possibility of systemic effects-potential mutagen Ensure precautions are taken.

In case of any discomfort always seek medical advice

HMIS Rating (USA) : 3 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

Hazard (H) phrases associated with components

- H225 : Highly flammable liquid and vapour
- H226 : Flammable liquid and vapour
- H304 : May be fatal if swallowed and enters airways
- H312 : Harmful in contact with skin
- H315 : Causes skin irritation
- H317 : May cause an allergic skin reaction
- H318 : Causes serious eye damage
- H319 : Causes serious eye irritation
- H332 : Harmful if inhaled
- H335 : May cause respiratory irritation
- H340 : May cause genetic defects
- H350 : May cause cancer
- H351 : Suspected of causing cancer
- H372 : Causes damage to organs

Abbreviations

Code : Abbreviation : Meaning

- : : flammable

F : : highly flammable

T : : toxic

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

H304 : Asp. Tox. 1 : (GHS08) Aspiration hazard, Hazard Category 1

H312 : Acute Tox. 4 : (GHS07) Acute toxicity (dermal), Hazard Category 4

H315 : Skin Corr/Irrit. 2 : (GHS07) Skin corrosion/irritation, Hazard Category 2

H317 : Skin Sens. 1 : (GHS07) Sensitisation ^ Skin, Hazard Category 1

H318 : Eye Dam /Irrit 1 : (GHS05) Serious eye damage/eye irritation, Hazard Category 1

H319 : Eye Dam /Irrit 2 : (GHS07) Serious eye damage/eye irritation, Hazard Category 2

H332 : Acute Tox. 4 : (GHS07) Acute toxicity (inhalation), Hazard Category 4
 H335 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation
 H340 : Muta. 1B : (GHS08) Germ cell mutagenicity, Hazard Category 1A, 1B
 H350 : Carc. 1A / 1B : (GHS08) Carcinogenicity, Hazard Category 1A, 1B
 H351 : Carc. 2 : (GHS08) Carcinogenicity, Hazard Category 2
 H372 : STOT RE 1 : (GHS08) Specific target organ toxicity ^ Repeated exposure, 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)
 : 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)
 ===== :

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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