

SAFETY DATA SHEET

Date issued 08/05/2020

BW SERIES: FE ROAD MARKING

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	BW SERIES	Product Name	FE ROAD MARKING
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- 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
- (H315) Skin corrosion/irritation, Hazard Category 2
- (H318) Serious eye damage/eye irritation, Hazard Category 1
- (H317) Sensitisation ^ Skin, Hazard Category 1
- (H351) Carcinogenicity, Hazard Category 2
- (H361d) Reproductive toxicity, Hazard Category 2
- (H335) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation
- (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
- Causes skin irritation
- Causes serious eye damage
- May cause an allergic skin reaction
- Suspected of causing cancer
- Suspected of damaging the unborn child.
- May cause respiratory irritation
- 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/ attention.
Immediately call a POISON CENTER or doctor/physician.
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 container tightly closed. – if product is volatile so as to generate hazardous atmosphere.
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	% m/m	EC Labels	CAS Number	EC Index
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	<22 %	Xn	064742-95-6*	649-356-00-4
XYLENE	<13 %	- Xn	001330-20-7	601-022-00-9
ISOBUTYL ALCOHOL	<8.5 %	- Xi	000078-83-1	603-108-00-1
TOLUENE	<6.5 %	F Xn	000108-88-3	601-021-00-3

Classification reference SANS10234 (1272/2008/EC) :

EC Index	Classification Hazard Code Note
649-356-00-4	Asp. Tox.1 H304 H P^
601-022-00-9	Flam. Liq. 3;Acute Tox. 4 ;Skin Irrit. 2 H226;H332;H312;H315 C^
603-108-00-1	Flam. Liq. 3;STOT SE 3;Skin Irrit. 2;Eye Dam. 1;STOT SE 3 H226;H335;H315;H318;H336
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

SECTION 4. FIRST AID MEASURES

Inhalation Move to fresh air. In case of discomfort seek medical attention.
Skin Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.
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 In case of insufficient ventilation, use suitable respiratory protection.
Skin AVOID CONTACT. Use impervious gloves, apron and boots.
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 ROAD MARKING	Not applicable						
Components :							
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	064742-95-6*	1200				RL	
XYLENE	001330-20-7	435	100	650.	150.	RL+ S	6.7
ISOBUTYL ALCOHOL	000078-83-1	150	50	225	75	RL	
TOLUENE	000108-88-3	188	50	560	150	RL+ S	1.9

(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



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	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	1.362-1.462 Kg/L
Water solubility	--
Fat solubility	--
Partition coefficient	not available
Viscosity	75-80 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	62-67%

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)
FE ROAD MARKING	-	mg/kg	mg/kg	ppmV	mg/lt
Not applicable	>500	8130 ATEdermal	33333 ATEgas		
Components :	-----	-----	-----	-----	-----
AROMATIC NAPHTHA (ARO1) " Xn" (Benzene < 0.1%)	064742-95-6*	>5000 mg (Rat)			
XYLENE	001330-20-7	4300 mg (Rat)	>5000 mg (Rabbit)		
ISOBUTYL ALCOHOL	000078-83-1	2460 mg (Rat)			
TOLUENE	000108-88-3	>2000 mg (Rat)	>2000 mg (Rat)		

Inhalation HARMFUL. Excessive exposure to this material must be avoided.
Skin Highly irritating. Risk of dermatitis. May be absorbed through intact skin.
Eyes Irritating - may cause damage if not given prompt attention.
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 :

SECTION 13. DISPOSAL INFORMATION

Hazardous. Use reputable waste disposal contractors. Destroy 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	Packing Group	II
Shipping Name	PAINT PRODUCT		
IMO Class	3		

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
- (H361d) Reproductive toxicity, Hazard Category 2
- (H335) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Respiratory tract irritation
- (H373) Specific target organ toxicity ^ Repeated exposure, Hazard Category 2
- (H304) Aspiration hazard, Hazard Category 1

SECTION 16. OTHER INFORMATION

POSSIBILITY OF SYSTEMIC EFFECTS - REPRODUCTIVE TOXICITY POTENTIAL.
 IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.
 ALERT WORKERS TO THIS HAZARD POTENTIAL AND ENSURE PRECAUTIONS ARE TAKEN.
 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
- H304 : May be fatal if swallowed and enters airways
- H312 : Harmful in contact with skin
- H315 : Causes skin irritation
- H318 : Causes serious eye damage
- H332 : Harmful if inhaled
- H335 : May cause respiratory irritation
- 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
- F : highly flammable
- Xi : irritant
- 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
- H318 : Eye Dam /Irrit 1 : (GHS05) Serious eye damage/eye irritation, Hazard Category 1
- 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
- H336 : STOT SE 3 : (GHS07) Specific target organ toxicity ^ Single exposure, Hazard Category 3, Narcosis
- H361d : Repr. 2 : (GHS08) Reproductive toxicity, Hazard Category 2
- H373 : STOT RE 2 : (GHS08) Specific target organ toxicity ^ Repeated exposure, Hazard Category 2
- ==== : :
- : : %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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