Registered office: 18/24 Ajisegiri Street,
Shogunle – Oshodi

Lagos Nigeria

DATE: 24/11/2020

SAFETY DATA SHEET

PRODUCT: PCMN SELF ETCHING PRIMER

VERSION: 1.1

1. PRODUCT IDENTIFICATION /DESCRIPTION

Preparation/Product Name: Self-etch primer

Description: PCMN Self-etch primer is a two-pack self etching primer. It provides excellent corrosion resistance and direct -to- metal adhesion for spot, panel and overall repairs.

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO	CONCENTREATION	RISK PHRASES
MEK	78-93-3	40-50	R10,R20/21/22,R36/38
POLYVINLY BUTYRAL	25068-38-6	5-10	R36/38,43,51,53
INERT PIGMENT	7699-41-4	5-10	
ZINC CHROMATE	-	10-15	

3. HAZARD IDENTIFICATION OF THE PRODUCT

Flammable.

Skin Irritation: A single exposure to skin is unlikely to cause irritation.

Eye Irritation: irritating to eyes.

Sensitization: May cause sensitization by skin contact

Overexposure Effects: risk of absorption through the skin of MEK.

Ingestion: Oral toxicity is low .No hazard is expected from normal industrial exposure.

Inhalation: Exposure to vapour at elevated temperature may cause irritation to respiratory tracts.

Skin: harmful in contact with skin

Eye Contact: irritating to eyes

4. FIRST-AID MEASURES

Eyes: Hold the eyes open and rinse with water for a sufficiently long period of time (at least 15 minutes). Contact an ophthalmologist.

Skin: Remove all contaminated clothes and foot wears immediately unless stock to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor in the event of a skin reaction.

Ingestion: DO NOT induce the patient to vomit if conscious. Wash out mouth with water. Drink water in small sips (Diluting effect) .Medical advice is required.

Inhalation: Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing medical advice is required.
Other: General advice: take off all contaminated clothing immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide (C02), Foam, extinguishing powder or water spray to cool containers.
Fire Fighting Procedures: During fire-fighting respirator with independent air supply and airtight garment is required.
Hazard: Burning releases carbon monoxide, carbon dioxide, and oxides of Nitrogen. In the events of fire and/or explosion put on the appropriate PPEs to avoid inhalation of fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Do not allow to escape to drains, surface water, ground water and soil.
Waste Disposal Methods: Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand).
After approximately one hour ,transfer to waste container and do not seal(CO2 evolution). Keep damp in a safe ventilated area for several days.

7. STORAGE AND HANDLING PRECAUTIONS

Handling: For industrial use only by professional, trained painters. Not for sale to or use by the general public.
Before using, read and follow all label and MSDS precautions.
Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation, and gloves.
Ensure there is sufficient ventilation of area. Do not handle in a confined space. Keep away from heat. Smoking is forbidden .Do not breathe vapour. Avoid contact with skin and eyes.
Storage: Keep container dry and tightly closed in a cool and well ventilated place. Ensure lighting and electrical equipment is not a source of ignition.
WARNING: Provide sufficient air exchange and/or extractor fan in work rooms. Exhaust ventilation necessary if product is sprayed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Ventilation: The work place should be well ventilated.
Protective Gloves: Gauntlet type of gloves of nitrile rubber or butyl rubber is recommended. For short time contact PVC is suitable.
Eye Protection: Wear safety goggles.

Respiratory Protection: Suitable respiratory equipment required in insufficient ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

Other Protective Equipment: Wear suitable protective clothing for skin and body Protection.
Hygiene: Keep away from foodstuffs, drinks, and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately.
Take off all contaminated clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State :Pale yellow liquid with a fruity odour
Specific gravity : 0.92-0.95Kg/l
Solubility in water: Soluble
Viscosity: 14 secs
Weight Solids: 22-25% ready to spray
Colour: pale yellow
Gloss level: Matt
Mix ratio: 1:1
Pot life: <48 hrs
Theoretical coverage: 15.5m2/litre (1mil)
Drying: Recoat in 30 minutes, Sand in 60 minutes

medium wet coats allowing 2-3 minutes flash time between coats

After 24 hours must be lightly scuffed before top coating.

Final dry film thickness should be between 25 and 40 microns.

Shelf life; up to 12 months.

10. STABILITY AND REACTIVITY

Hazardous reactions: Exothermic reaction with amines and alcohols; In closed container under high temperature, risk of bursting owing to increase of pressure.
No hazardous decomposition products when stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

Toxicological studies. Result not available.
Information based on experience: Human beings: vapour acts as eye and respiratory tract irritant. Vapour can cause depression of the central nervous system (headache & sleep disturbance).

12. ECOLOGICAL INFORMATION

Do not allow to escape into waterways, waste water or soil.

13. DISPOSAL CONSIDERATION

Do not allow into drains or water courses. Wastes and empty containers should be disposed off in accordance with regulations under the control of pollution agency and environmental protection agency.

N.B: Disposal of paints and thinners is controlled by National regulations. Please refer to Local office for current statutory regulations.

14. OTHER INFORMATION

Risks Phrases

R10 Flammable

R20/21/22: Harmful by inhalation ,in contact with skin and if swallowed

R36/38 Irritant to eyes and skin.

R43 may cause sensitization by skin contact

R51/53:Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Safety Phrases

S28 After contact with skin wash immediately with plenty of soap and water.

S37/39 Wear suitable gloves and eye protection.

S61 Avoid release to the environment. Refer to instruction on safety data sheet.

15. SAFETY PRECAUTIONS

Company Disclaimer:

The information provided in this safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. The information is given without acceptance of liability for loss or damage attributed to reliance thereon as conditions of use lie outside our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Registered office: 18/24 Ajisegiri Street,
Shogunle – Oshodi

Lagos Nigeria

Issued: 22/04/2010

TECHNICAL DATA SHEET

SELF-ETCHING PRIMER

PRODUCT DESCRIPTION PCMN Self-etching primer is a fast-drying two component,etching primer.It provides excellent corrosion resistance and direct-to-metal adhesion for spot,panel and overall repairs.

INTENDED USES: It provides excellent corrosion resistance and direct-to-metal adhesion for spot, panel and overall repairs.

PRACTICAL INFORMATION

Colour : Pale yellow

Gloss Level: Matt

Weight Solids: 22-25%

Theoretical coverage: 15m2/litre (1 mil)

Typical coverage: 50 microns (2 mils)

Viscosity : 14 secs

Specific Gravity: 0.95-1.0kg/l

Shelf life: Up to 12 months

Thinner: THN/1004

SURFACE PREPARATION

All surfaces to be coated should be dry, clean and free from contamination.

Accumulated dirt and soluble salts must be removed. Dry wire brushing will be adequate for accumulated dirt .

Oil or grease should be removed by solvent cleaning.

APPLICATION

Mixing: Stir thoroughly with an agitator before use. Pour hardener into base

and mix thoroughly before use. Always mix a complete unit in the proportion Supplied.

Working Pot Life: 48 hrs @ 25^{O}C

Mix ratio: 1 part of Base: 1 part of Hardener by volume

Method of Application: Conventional air spray

Drying: Recoat in 30 minutes, sand in 60 minutes.

Medium wet coats allowing 2-3 mins flash time between coats.

After 24 hours ,must be lightly scuffed before top coating.

Final dry film thickness should be between 25-40 microns.

WORK STOPPAGES Thoroughly flush all equipment with THN/1004 immediately after application. All unused material that has not been mixed should be stored in tightly closed containers.

PRODUCT CHARACTERISTIC For optimum performance, PCMN self-etching primer must always be primed or sealed prior to topcoat application.

HAZARD IDENTIFICATION

Main Hazard: Flammable ,Harmful by inhalation and in contact with skin.

HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of area. Do not handle in a confined space. Avoid the formation or the spread of mist in the air. Smoking is forbidden. Use non sparking tools.

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Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from source of ignition. Prevent the buildup of electrostatic charge in the immediate area. Ensure lighting and electrical equipment is not a source of ignition.

Suitable packaging: Must only be kept in original package

DISPOSAL CONSIDERATION

Disposal of packaging: Arrange for collection by specialized disposal Company.

NB: The user's attention is drawn to the possible existence of regional Or national regulations regarding disposal.

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MATERIAL SAFETY DATA SHEET

PRODUCT (CURING AGENT) **DATE: 20/04/10**

VERSION: 1.0

1. PRODUCT IDENTIFICATION

Preparation/Product Name: EPOXYPRIMER HARDENER PARTB

2.COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NO	CONCENTREATION	RISK PHRASES
POLYAMIDE	68410-23-1	70-80	R36/38,43,51,53
MIBK	108-10-1	4-3	R10,R20/21/22
XYLENE	1330-20-7	12-15	R10,R20/21/22

3. HAZARD IDENTIFICATION OF THE PRODUCT

Flammable.
Skin Irritation: A single exposure to skin is unlikely to cause irritation.
Eye Irritation: irritating to eyes.
Sensitization: May cause sensitization by skin contact
Overexposure Effects: risk of absorption through the skin of xylene
Ingestion: Oral toxicity is low .No hazard is expected from normal industrial exposure.
Inhalation: Exposure to vapour at elevated temperature may cause irritation to respiratory tracts.
Skin: harmful in contact with skin
Eye Contact: irritating to eyes

4. FIRST-AID MEASURES

Eyes: Hold the eyes open and rinse with water for a sufficiently long period of time (at least 15 minutes). Contact an ophthalmologist.
Skin: Remove all contaminated clothes and foot wears immediately unless stock to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor in the event of a skin reaction.

Ingestion: DO NOT induce the patient to vomit if conscious. Wash out mouth with water. Drink water in small sips (Diluting effect) .Medical advice is required.

Inhalation: Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing medical advice is required.
Other: General advice: take off all contaminated clothing immediately.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide (C02), Foam, extinguishing powder or water spray to cool containers.
Fire Fighting Procedures: During fire-fighting respirator with independent air supply and airtight garment is required.
Hazard: Burning releases carbon monoxide, carbon dioxide, and oxides of Nitrogen. In the events of fire and/or explosion put on the appropriate PPEs to avoid inhalation of fumes.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Do not allow to escape to drains, surface water, ground water and soil.
Waste Disposal Methods: Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand).
After approximately one hour ,transfer to waste container and do not seal(CO2 evolution). Keep damp in a safe ventilated area for several days.

7. STORAGE AND HANDLING PRECAUTIONS

Handling: Ensure there is sufficient ventilation of area. Do not handle in a confined space. Keep away from heat. Smoking is forbidden .Do not breathe vapour. Avoid contact with skin and eyes.
Storage: Keep container dry and tightly closed in a cool and well ventilated place. Ensure lighting and electrical equipment is not a source of ignition.
WARNING: Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Ventilation: The work place should be well ventilated.
Protective Gloves: Gauntlet type of gloves of nitrile rubber or butyl rubber is recommended. For short time contact PVC is suitable.
Eye Protection: Wear safety goggles.

Respiratory Protection: Suitable respiratory equipment required in insufficient ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

Other Protective Equipment: Wear suitable protective clothing for skin and body Protection.
Hygiene: Keep away from foodstuffs, drinks, and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately.
Take off all contaminated clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State :Liquid
Specific gravity 1.0Kg/l

Solubility in water: Immiscible
Viscosity: 50-60Krebs
Flash point: 22^{o}C
Mix ratio: 4parts Base:1part Hardener
Shelf life; up to 12 months.

10. STABILITY AND REACTIVITY

Hazardous reactions: Exothermic reaction with amines and alcohols; In closed container under high temperature, risk of bursting owing to increase of pressure.
Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

Toxicological studies. Result not available.
Information based on experience: Human beings: vapour acts as eye and respiratory tract irritant. Vapour can cause depression of the central nervous system (headache & sleep disturbance).
Note: Given information is based on knowledge of components and toxicity of similar products.

12. ECOLOGICAL INFORMATION

Do not allow to escape into waterways, waste water or soil

13. DISPOSAL CONSIDERATION

Do not allow into drains or water courses. Wastes and empty containers should be disposed off in accordance with regulations under the control of pollution agency and environmental protection agency.
N.B: Disposal of paints and thinners is controlled by National regulations. Please refer to Local office for current statutory regulations.

14. OTHER INFORMATION

Risks Phrases
R10 Flammable
R20 Harmful by inhalation.
R36/37/38 Irritant to eyes, respiratory system and sin.
R42/43 may cause sensitization by inhalation and skin contact
Safety Phrases
S28 After contact with skin wash immediately with plenty of soap and water.
S37/39 Wear suitable gloves and eye protection.
S61 Avoid release to the environment. Refer to instruction on safety data sheet.

15. SAFETY PRECAUTIONS

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