

THE LAB^o

Chemicals & Coatings

-EPOXY PENETRATING PRIMER-

TECHNICAL AND MATERIAL SAFETY DATA SHEET

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SUPPLIER IDENTIFICATION AND INFORMATION

Manufacturer name
Address of manufacturing

THE LAB Chemicals & Coatings
8 Garvin Circle, Strand, 7140

Email

sales@thelabcc.co.za

PRODUCT IDENTIFICATION

| | |
|---------------------|---|
| Product name | Epoxy Penetrating Primer |
| Product Description | Epoxy Penetrating Primer, based on a combination of epoxy resin and a polyamide curing agent. Have excellent durability and adhesion properties. It has been designed to act as a key coat for successive epoxy or polyurethane topcoats. |
| Recommended use | <ul style="list-style-type: none"> PRIMER FOR CONCRETE SURFACES. |
| Intended use | Use as a primer for wall and floors in these type of areas, Cementitious garage floors, factories, warehouses, dairies etc. Can be use to seal dusty concrete surfaces |

TECHNICAL DATA SHEET

| | Epoxy Penetrating Primer |
|-------------------------|---|
| Type | Epoxy /polyamide |
| Operating temp. Range | 10°C to +80°C |
| Application Temperature | + 10°C to +40°C |
| Colours | Clear /Pale yellow |
| Solids (% Volume) | 39-42% |
| Specific Gravity | 0.998 |
| Flash Point | 35°C +/- 2 |
| Flexibility | Good |
| Mixing Ratio | 4:1 (By volume) |
| Spreading rate | 6-8 m ² <i>surface dependant</i> |
| Induction time | No induction time |
| Pot Life | 6 hours @ 20°C |
| Over coating times | 15°C - 20 hrs minimum 30°C - 6 hrs minimum |
| Full Cure | 7 days @ 25°C |
| Cleaning Solvent | Epoxy Thinners |
| Storage Temperature | +5°C to 25°C |
| Shelf Life | 24 months |

Application method: Ready for use with brush or roller

Spray: Thin 5-10% with Epoxy thinners at discretion of applicator. Thinning: Not recommended

Equipment Cleaning: Thinners

INSTRUCTIONS

SURFACE PREPARATION: All surfaces must be clean & mechanically sound and of oil, dirt & dust.

PRIMING:

Use Epoxy Penetrating Primer @ 6-8m²/L

APPLICATION DATA:

1. with a brush or roller
2. Mixing ratio : 4 lt base: 1 lt activator
3. Mix 10 minutes prior to use
4. Pot life of 2 hrs @ 23°C (reduced at higher temperatures)
5. No thinner required

APPLICATION CONDITIONS:

The temperature of the substrate should be minimum 10°C & minimum 3°C above the dew point of the air in the vicinity of the substrate.

Good ventilation is necessary when the paint is used in confined spaces.

When used over concrete the substrate should not contain more water than 5% (by weight).

It should not be exposed to water, chemicals or mechanical stress until it is fully cured.

Different surfaces and environmental conditions require specific painting systems to produce the best possible results.-It is therefore recommended that you contact a sales representative for advice on all your painting requirements whenever possible

Although The Lab epoxy resins are relatively non-toxic, it is recommended that the normal precautions in dealing with conventional resin systems are adhered to.

The technical data furnished is given to the best of our knowledge based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products.

In the event of a proven product fault our liability will be limited to the replacement of the product only.

NAME: PENETRATING PRIMER



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : Penetrating Primer (Base) CAS no. : n/a EC no. : n/a

UN No. : 1866 Hazchem : 3[Y] SAPMA : 2-H-E

In emergency contact The Lab, Cape Town

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

[- R10][Xi R43]

EC Classification : - Xi R10,43 S02,13,24,37,43A,46 [CAS #: 1330-20-7]

[E.C. #: 601-022-00-9]

EEC Labels: N OEL 435mg OEL 100ppm STOEL 650.mg STOEL 150.ppm RL+ S

LIQUID EPOXY RESIN M.Wt <700 >1%

[CAS #: NQ] [E.C. #:]

EEC Labels: XI

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

SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating : 2-MODERATE - Temporary or minor injury possible even if treatment given.

| | |
|--------------|---|
| Inhalation | Irritating, narcotic. Can affect CNS. |
| Eye contact | Irritating. |
| Skin contact | HARMFUL BY CONTACT. Potential sensitiser. |
| Ingestion | Irritating and nauseating. |

No carcinogenic, mutagenic or genetic effects established.

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

SECTION 4. FIRST AID MEASURES

| | |
|--------------|--|
| Eye contact | Flush eyes with large amount of water, if irritation persists, consult a physician. |
| Inhalation | Move to fresh air. In case of discomfort seek medical attention. |
| Skin contact | Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention |
| Ingestion | Wash mouth with plenty of water. Do NOT induce vomiting. seek medical attention |

SECTION 5. FIRE-FIGHTING MEASURES

Flammable with toxic fumes.

Containers liable to burst in a fire.

Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.

SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

No open flames.

No smoking.

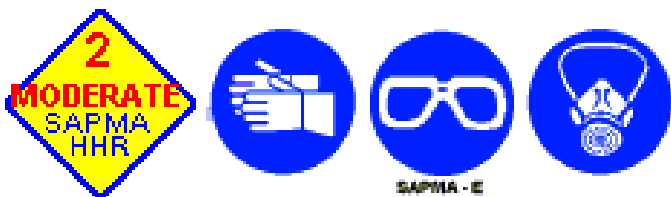
Store containers with due care in case of fire.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAPMA Rating : 2-H-E PPE : Respirator and Eye protection

| Personal protection | |
|---------------------|---|
| Inhalation | In case of insufficient ventilation, use suitable respiratory protection. |
| Skin | Avoid direct contact. Use barrier cream and impervious gloves. |
| Eyes | Use face shield & goggles or full face respirator/hood. Avoid direct contact. |
| Ingestion | Observe the rules fo hygiene. Wash before eating, drinking or smoking. |
| | |

OEL Type : Mix- Mixture - See Section 2 Skin annotation Skin Sensitiser



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class : eg : Paint Product Description : Viscous liquid Smell : Pungent

Boil. pt : >35 FlashPoint : >23

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static - USE EARTHING

Inert - no reaction with fire-fighting water

SECTION 11. TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects establish

SECTION 12. ECOLOGICAL INFORMATION

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

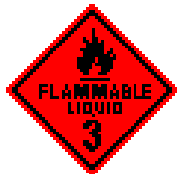
SECTION 13. DISPOSAL CONSIDERATION

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

SECTION 14. TRANSPORT INFORMATION

UN no : 1866 Packing group : III IMO Class : 3.3

Hazchem : 3[Y]



SECTION 15. REGULATORY INFORMATION

EC Classification : - Xi R10,43 S02,13,24,37,43A,46 R10 - Flammable

R43 - May cause sensitisation by skin contact

S2 - Keep out of reach of children. (Retail sales items)

S13 - Keep away from food, drink and animal feeding stuffs S24 - Avoid contact with the skin

S37 - Wear suitable gloves

S43A - In case of fire, use water fog, foam or powder - Do not use water jets!

S46 - If swallowed seek medical advice immediately and show this container or label



Irritant

SECTION 16. OTHER INFORMATION

THIS SUBSTANCE IS A POTENTIAL SENSITISER - ENSURE PRECAUTIONS ARE TAKEN. IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996) 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.

NAME: PENETRATING PRIMER ACTIVATOR



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name: Penetrating Primer:Activator
 CAS no. : n/a EC no. : n/a UN No. : 1760 SAPMA : 2-H-C
 In emergency contact The Lab ,Cape Town

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

[Xn R20,21/22][Xi R34][Xi R43]
 EC Classification : Xn,Xi, N R21/22,34,43 Skin annotation

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS ISOPHORONEDIAMINE (IPD) <25%
 [CAS #: 2855-13-2] [E.C. #: 612-067-00-9]
 EEC Labels: C

Benzyl Alcohol >45% [CAS #: 100-51-6
 EEC Labels: C

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

SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating : 2-MODERATE - Temporary or minor injury possible even if treatment given.

| | |
|--------------|--|
| Inhalation | Irritating, narcotic. Can affect CNS. |
| Eye contact | Corrosive. Damage possible. |
| Skin contact | HARMFUL BY CONTACT. Potential sensitiser |
| Ingestion | Corrosive. |

No carcinogenic, mutagenic or genetic effects established.

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

SECTION 4. FIRST AID MEASURES

| | |
|--------------|--|
| Eye contact | ACT FAST! - Rinse immediately with plenty of water and refer to doctor immediately. |
| Inhalation | Move to fresh air. In case of discomfort seek medical attention. |
| Skin contact | Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention |
| Ingestion | Wash mouth with plenty of water. Do NOT induce vomiting. seek medical attention |

SECTION 5. FIRE-FIGHTING MEASURES

Combustible with toxic fumes.
 Containers liable to burst in a fire.
 Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Contain & collect. Use Inert NOT sawdust. Keep waste separate for disposal.

SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

No open flames. No smoking.

Store containers with due care in case of fire.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SAPMA Rating : 2-H-C PPE : Eye protection

| Personal protection | |
|---------------------|---|
| Inhalation | In case of insufficient ventilation, use suitable respiratory protection. |
| Skin | Avoid direct contact. Use barrier cream and impervious gloves. |
| Eyes | Use face shield & goggles or full face respirator/hood. Avoid direct contact. |
| Ingestion | Observe the rules fo hygiene. Wash before eating, drinking or smoking. |
| | |

Skin annotation, Skin Sensitiser.



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class : eg : Paint Product Description : Viscous liquid Smell : Pungent

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static - USE EARTHING

Inert - no reaction with fire-fighting water

SECTION 11. TOXICOLOGICAL INFORMATION

No carcinogenic, mutagenic or genetic effects establish

SECTION 12. ECOLOGICAL INFORMATION

May cause undesirable effects to aquatic organisms.

SECTION 13. DISPOSAL CONSIDERATION

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

SECTION 14. TRANSPORT INFORMATION

UN no : 1760 Packing group : III IMO Class : 8



SECTION 15. REGULATORY INFORMATION

EC no. : n/a Contains : ISOPHORONEDIAMINE (IPD)

EC Classification : Xn,Xi, N R21/22,34,43,52/53 S36/37/39,37/39,02,13,46,56,59

R21/22 - Harmful in contact with the skin and if swallowed R34 - Causes burns

R43 - May cause sensitisation by skin contact

R52/53 - Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment. S36/37/39 -

Wear suitable protective clothing, gloves and eye/face protection

S37/39 - Wear suitable gloves and eye/face protection S2 - Keep out of reach

of children. (Retail sales items)

S13 - Keep away from food, drink and animal feeding stuffs

S46 - If swallowed seek medical advice immediately and show this container or label

S56 - Do not discharge into drains or the environment, dispose to an authorised waste collection point S59 - Refer to manufacturer/supplier for information on recovery/recycling



Harmful



Environment

SECTION 16. OTHER INFORMATION

THIS SUBSTANCE IS A POTENTIAL SENSITISER - ENSURE PRECAUTIONS ARE TAKEN. IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

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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.

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