



NATIONAL PAINTS FACTORIES CO. LIMITED

Safety Data Sheet NUMIX EPOXY PRIMER NON-SANDING

SECTION 1: Identification

1.1 Product identifier

Product name	NUMIX EPOXY PRIMER NON-SANDING
Brand	NUMIX

1.2 Other means of identification

No further relevant information available.

1.3 Recommended use of the chemical and restrictions on use

No further relevant information available.

1.4 Supplier's details

Name	National Paints Factories Co. Limited
Address	Maliha Road Industrial Area 13 Sharjah 5822 Sharjah United Arab Emirates
Telephone	+971 6 5130000
Fax	+971 6 5340222
email	npfcl@nationalpaints.com

1.5 Emergency phone number(s)

+971 6 5130000

SECTION 2: Hazard identification

General hazard statement

The product is classified and labeled according to the Globally Harmonized System (GHS).

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Flammable liquids, Cat. 3
- Carcinogenicity, Cat. 2
- Substances and mixtures which, in contact with water, emit flammable gases, Cat. 2
- Skin corrosion/irritation, Cat. 2
- Acute toxicity, inhalation, Cat. 4

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2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H226	Flammable liquid and vapor
H261	In contact with water releases flammable gas
H315	Causes skin irritation
H332	Harmful if inhaled
H351	Suspected of causing cancer [route]

Precautionary statement(s)

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.
P223	Do not allow contact with water.
P231+P232	Handle under inert gas. Protect from moisture
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P335+P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P362+P364	Take off contaminated clothing and wash it before reuse.
P402+P404	Store in a dry place. Store in a closed container.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

2.3 Other hazards which do not result in classification

No further relevant information available.

Statement regarding ingredients of unknown toxicity

No further relevant information available.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

No further relevant information available.

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Hazardous components

1. trizinc bis(orthophosphate)

Concentration	15 - 25 % (weight)
EC no.	231-944-3
CAS no.	7779-90-0
Index no.	030-011-00-6

- Hazardous to the aquatic environment, short-term (acute), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 1

H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

2. Barium sulfate

Concentration	10 - 20 % (weight)
CAS no.	7727-43-7

3. XYLENES (MIXED)

Concentration	10 - 15 % (weight)
EC no.	215-535-7
CAS no.	1330-20-7
Index no.	601-022-00-9

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Skin corrosion/irritation, Cat. 2

H226	Flammable liquid and vapor
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled

4. Titanium(IV) oxide

Concentration	5 - 15 % (weight)
EC no.	236-675-5
CAS no.	13463-67-7

5. 2-Butoxyethanol

Concentration	5 % (weight)
EC no.	203-905-0
CAS no.	111-76-2
Index no.	603-014-00-0

- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4

H302	Harmful if swallowed
H312	Harmful in contact with skin

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H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

6. ISOBUTYL ALCOHOL

Concentration	5 % (weight)
EC no.	201-148-0
CAS no.	78-83-1
Index no.	603-108-00-1

- Flammable liquids, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 1

H226	Flammable liquid and vapor
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

7. Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis[oxirane]

Concentration	10 - 20 % (weight)
CAS no.	25036-25-3

8. Calcium carbonate

Concentration	10 - 20 % (weight)
CAS no.	471-34-1

Trade secret statement (OSHA 1910.1200(i))

No further relevant information available.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
If inhaled	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
In case of skin contact	Generally the product does not irritate the skin.
In case of eye contact	Rinse opened eye for several minutes under running water.
If swallowed	If symptoms persist consult doctor.
Personal protective equipment for first-aid responders	No further relevant information available.

4.2 Most important symptoms/effects, acute and delayed

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No further relevant information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No further relevant information available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Specific hazards arising from the chemical

No further relevant information available.

5.3 Special protective actions for fire-fighters

Wear mouth respiratory protective device.

Further information

No further relevant information available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

7.2 Conditions for safe storage, including any incompatibilities

No special requirements.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Keep container tightly sealed.

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Barium sulfate (CAS: 7727-43-7)

PEL (Inhalation): see PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 10 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m³ (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

2. XYLENES (MIXED) (CAS: 1330-20-7)

PEL (Inhalation): 100 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 435 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 100 ppm, (ST) 150 ppm, (C) 300 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 100 ppm, (ST) 150 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

3. Titanium(IV) oxide

PEL (Inhalation): 5 mg/m³ (Resp), 15 mg/m³ (Total) (OSHA)
Lower Respiratory Tract irritation

PEL (Inhalation): See PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): Ca, (ultrafine particles), 2.4 mg/m³ (fine), 0.3 mg/m³ (ultrafine), See Appendix A, See Appendix C (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 10 mg/m³ (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (Resp), 10 mg/m³ (Total) (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

4. 2-Butoxyethanol (CAS: 111-76-2 EC: 203-905-0)

PEL (Inhalation): 50 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 240 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 20 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

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REL (Inhalation): 5 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 20 ppm
97 mg/m³
California permissible exposure limits for chemical contaminants
(Title 8, Article 107)/Skin

TWA (Inhalation): 50 ppm
240 mg/m³; USA (OSHA)
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air
Contaminants/Skin designation
The value in mg/m³ is approximate

TWA (Inhalation): 5 ppm
24 mg/m³; USA (NIOSH)
USA. NIOSH Recommended Exposure Limits/Potential for dermal absorption

TWA (Inhalation): 20 ppm; USA (ACGIH)
USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation Eye irritation Substances for which
there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown
relevance to humans

TLV® (Inhalation): 20 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

5. Isobutyl alcohol (CAS: 78-83-1)

PEL (Inhalation): 100 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 300 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 50 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 50 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

No further data; see item 7.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear tightly sealed goggles.

Skin protection

Wear protective gloves and apron.

Body protection

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

Respiratory protection

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure
use self-contained respiratory protective device.

Thermal hazards

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No further relevant information available.

Control banding approach

No further relevant information available.

Environmental exposure controls

No further relevant information available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Fluid
Odor	Characteristic
Odor threshold	Not determined.
pH	Not determined.
Melting point/freezing point	Undetermined.
Initial boiling point and boiling range	139 °C
Flash point	31 °C
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	Not determined.
Upper/lower explosive limits	Not determined.
Vapor pressure	Not determined.
Vapor density	Not determined.
Relative density	Not determined.
Solubility(ies)	Fully miscible with water.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Product is not self-igniting.
Decomposition temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Product is not explosive. However, formations of explosive air/vapour mixtures are possible.
Oxidizing properties	Not determined.

Other safety information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Material is stable under recommended conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials

Titanium(IV) oxide : Strong acids

2-Butoxyethanol: Strong oxidizing agents

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10.6 Hazardous decomposition products

2-Butoxyethanol: Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No further relevant information available.

Skin corrosion/irritation

No irritant effect.

Serious eye damage/irritation

No irritating effect.

Respiratory or skin sensitization

No sensitizing effects known.

Germ cell mutagenicity

No further relevant information available.

Carcinogenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

Summary of evaluation of the CMR properties

No further relevant information available.

STOT-single exposure

No further relevant information available.

STOT-repeated exposure

No further relevant information available.

Aspiration hazard

No further relevant information available.

Additional information

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Carcinogenic

The product can cause inheritable damage.

SECTION 12: Ecological information

Toxicity

No further relevant information available.

Persistence and degradability

No further relevant information available.

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Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations

Disposal of the product

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal of contaminated packaging

Disposal must be made according to official regulations.

Waste treatment

Disposal must be made according to official regulations.

Sewage disposal

Disposal must be made according to official regulations.

Other disposal recommendations

No further relevant information available.

SECTION 14: Transport information

DOT (US)

UN Number: UN 1263

Class: 3 Flammable liquids.

Packing Group: III

Proper Shipping Name: UN 1263 PAINT

Reportable quantity (RQ): 5L

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number: UN 1263

Class: 3 Flammable liquids.

Packing Group: III

EMS Number: F-E,S-E

Proper Shipping Name: UN 1263 PAINT

IATA

UN Number: UN 1263

Class: 3 Flammable liquids.

Packing Group: III

Proper Shipping Name: UN 1263 PAINT

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: BARIUM SULFATE

CAS number: 7727-43-7

Pennsylvania Right To Know Components

Chemical name: Barium sulfate

CAS number: 7727-43-7

Massachusetts Right To Know Components

Chemical name: Xylene (mixed isomers)

CAS number: 1330-20-7

New Jersey Right To Know Components

Common name: XYLENES

CAS number: 1330-20-7

Pennsylvania Right To Know Components

Chemical name: Benzene, dimethyl-

CAS number: 1330-20-7

California Prop. 65 Components

Titanium dioxide (airborne, unbound particles of respirable size)

WARNING! This product contains a chemical known to the State of California to cause cancer.

Titanium dioxide

CAS-No. 13463-67-7

New Jersey Right To Know Components

Chemical name: Titanium dioxide

CAS number: 13463-67-7

Pennsylvania Right To Know Components

Chemical name: Titanium dioxide

CAS number: 13463-67-7

Massachusetts Right To Know Components

Ethylene glycol monobutyl ether

CAS: 111-76-2

New Jersey Right To Know Components

Ethylene glycol monobutyl ether

CAS: 111-76-2

Pennsylvania Right To Know Components

Ethylene glycol monobutyl ether

CAS: 111-76-2

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California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethylene glycol monobutyl ether

CAS: 111-76-2

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Massachusetts Right To Know Components

Chemical name: Isobutyl alcohol

CAS number: 78-83-1

New Jersey Right To Know Components

Common name: ISOBUTYL ALCOHOL

CAS number: 78-83-1

Pennsylvania Right To Know Components

Chemical name: 1-Propanol, 2-methyl-

CAS number: 78-83-1

15.2 Chemical Safety Assessment

No further relevant information available.

SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall National Paints Factories Co. Ltd be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if National Paints Factories Co. Ltd has been advised of the possibility of such damages.