



NATIONAL PAINTS FACTORIES CO. LIMITED

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

SECTION 1: Identification

1.1 Product identifier

Product name	NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER
Brand	NUMIX

1.2 Other means of identification

No further information available.

1.3 Recommended use of the chemical and restrictions on use

No further information available.

1.4 Supplier's details

Name	National Paints Factories Co. Limited
Address	Maliha Road Industrial Area 13 Sharjah 5822 Sharjah 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 labelled 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
- Toxic to reproduction, Cat. 2
- Sensitization, skin, Cat. 1
- Acute toxicity, inhalation, Cat. 4

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H226	Flammable liquid and vapor
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H361	Suspected of damaging fertility or the unborn child [effect, 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.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
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.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
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 information available.

2.4 Statement regarding ingredients of unknown toxicity

No further information available.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous components

1. 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with 1,3-diisocyanatomethylbenzene and 2,2'-oxybis[ethanol]	
Concentration	25 - 50 % (weight)
CAS no.	53317-61-6

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

2. 2-methoxy-1-methylethyl acetate

Concentration	5 - 10 % (weight)
EC no.	203-603-9
CAS no.	108-65-6
Index no.	607-195-00-7

- Flammable liquids, Cat. 3

H226	Flammable liquid and vapor
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3. Toluene

Concentration	5 - 10 % (weight)
EC no.	203-625-9
CAS no.	108-88-3
Index no.	601-021-00-3

- Flammable liquids, Cat. 2
- Toxic to reproduction, Cat. 2
- Aspiration hazard, Cat. 1
- Specific target organ toxicity (single exposure), Cat. 3
- Specific target organ toxicity (repeated exposure), Cat. 2
- Skin corrosion/irritation, Cat. 2

H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H361d	
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

4. XYLENES (MIXED)

Concentration	5 - 10 % (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

5. N-Butyl acetate

Concentration	5 - 10 % (weight)
EC no.	204-658-1
CAS no.	123-86-4
Index no.	607-025-00-1

- Flammable liquids, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 3

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

H226
H336

Flammable liquid and vapor
May cause drowsiness or dizziness

Trade secret statement (OSHA 1910.1200(i))
No further information available.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Wear self-contained breathing apparatus for firefighting if necessary.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Toluene: Carbon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No further data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

6.2 Environmental precautions

Should not be released into the environment. See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. For precautions see section 2.2

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

No further data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Toluene (CAS: 108-88-3)

PEL-TWA (Inhalation): 200 ppm (OSHA)

Central nervous system depression, causing fatigue, headache, confusion, paresthesia, dizziness, and muscular incoordination. Irritation of the eyes, mucous membranes, and upper respiratory tract

STEL (Inhalation): 150 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 100 ppm (375 mg/m³) (NIOSH)

Fatigue, weakness, confusion, headache, dizziness, drowsiness. Unconsciousness. Irritation of the eyes, respiratory tract, and skin

PEL-C (Inhalation): 300 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL-Peak (Inhalation): 500 ppm (10 minutes) (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 10 ppm (37 mg/m³) (Cal/OSHA)

Female reproductive toxicity, spontaneous abortion. Impaired color vision, impaired hearing, decreased performance in neurobehavioral analysis, changes in motor and sensory nerve conduction velocity, headache, and dizziness

TLV® (Inhalation): 20 ppm (75 mg/m³) (ACGIH)

Female reproductive system damage and pregnancy loss. Central nervous system impairment and visual impairment

STEL (Inhalation): 150 ppm (560 mg/m³) (NIOSH)

Fatigue, weakness, confusion, headache, dizziness, drowsiness. Unconsciousness. Irritation of the eyes, respiratory tract, and skin

PEL-C (Inhalation): 500 ppm Ceiling (Cal/OSHA)

Female reproductive toxicity, spontaneous abortion. Impaired color vision, impaired hearing, decreased performance in neurobehavioral analysis, changes in motor and sensory nerve conduction velocity, headache, and dizziness

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

PEL-ST (Inhalation): 150 ppm (560 mg/m³) - SKIN (Cal/OSHA)

Female reproductive toxicity, spontaneous abortion. Impaired color vision, impaired hearing, decreased performance in neurobehavioral analysis, changes in motor and sensory nerve conduction velocity, headache, and dizziness

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. N-Butyl acetate (CAS: 123-86-4 EC: 204-658-1)

PEL (Inhalation): 150 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 710 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 150 ppm, (ST) 200 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 150 ppm, (ST) 200 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 150 ppm, (ST) 200 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

STEL (Inhalation): 200 ppm

950 mg/m³ (Cal/OSHA)

California permissible exposure limits for chemical contaminants
(Title 8, Article 107)

PEL (Inhalation): 150 ppm

710 mg/m³

California permissible exposure limits for chemical contaminants
(Title 8, Article 107)

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

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

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

No data available.

Control banding approach

No data available.

Environmental exposure controls

Do not let product enter drains.

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	Not determined.
Initial boiling point and boiling range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability limits	Not determined.
Upper/lower explosive limits	Not determined.
Vapor pressure	Not determined.
Vapor density	Not determined.
Relative density	0.98±0.03
Solubility(ies)	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water	Undetermined.
Auto-ignition temperature	Product is not self-igniting.
Decomposition temperature	Product is stable under normal conditions.
Viscosity	Not determined.
Explosive properties	Not determined.
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

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Heat, flames and sparks.

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

10.5 Incompatible materials

Toluene: Strong oxidizing agents

N-Butyl acetate: Strong oxidizing agents, Strong reducing agents, Strong bases

10.6 Hazardous decomposition products

N-Butyl acetate: 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

N-BUTYLACETATE

LC50 Inhalation - Rat - 21 mg/l - 4 h

Citation: (OECD Test Guideline 403)

N-BUTYLACETATE

LD50 Skin - Rabbit - >14,112 mg/kg

Citation: (OECD Test Guideline 402)

Toluene

LD50 Oral - Rat - > 5,580 mg/kg

Toluene

LD50 Skin - Rabbit - 12,196 mg/kg

XYLENES (MIXED)

LD50 Inhalation - Rat

Skin corrosion/irritation

Toluene

Skin - Rabbit - 24 h

Serious eye damage/irritation

N-BUTYLACETATE

LD50 Oral - Rat - 10,760 mg/kg

Citation: (OECD Test Guideline 423)

N-BUTYLACETATE

EC50 - *Desmodesmus subspicatus* (*Scenedesmus subspicatus*) - 674.7 mg/l - 72 h

Respiratory or skin sensitization

Sensitisation possible through skin contact.

Germ cell mutagenicity

No data available

Carcinogenicity

OSHA specifically regulated carcinogen

Reproductive toxicity

No data available

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

Summary of evaluation of the CMR properties

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

STOT-single exposure

No data available

STOT-repeated exposure

No data available

Aspiration hazard

No data available

Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Toxicity

No data available on product.

Persistence and degradability

No data available on product.

Bioaccumulative potential

No data available on product.

Mobility in soil

No data available on product.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects

No data available on product.

SECTION 13: Disposal considerations

Disposal of the product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Disposal of contaminated packaging

Disposal must be made according to official regulations.

Waste treatment

Disposal must be made according to official regulations.

Sewage disposal

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

Other disposal recommendations

No further data available.

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

SECTION 14: Transport information

DOT (US)

UN Number: UN1263
Class: 3 Flammable liquids.
Packing Group: III
Proper Shipping Name: 1263 PAINT
Reportable quantity (RQ): 5L
Marine pollutant:
Poison inhalation hazard:

IMDG

UN Number: UN1263
Class: 3 Flammable liquids.
Packing Group: III
EMS Number: F-E,S-E
Proper Shipping Name: 1263 PAINT

IATA

UN Number: UN1263
Class: 3 Flammable liquids.
Packing Group: III
Proper Shipping Name: 1263 PAINT

SECTION 15: Regulatory information

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

Massachusetts Right To Know Components

Chemical name: Toluene
CAS number: 108-88-3

New Jersey Right To Know Components

Chemical name: Toluene
CAS number: 108-88-3

California Prop. 65 Components

State of California to cause birth defects or other reproductive harm.
Toluene
CAS-No. 108-88-3

Pennsylvania Right To Know Components

Chemical name: Toluene
CAS number: 108-88-3

California Prop. 65 components

Chemical name: Toluene
CAS number: 108-88-3
01/01/1991 - Developmental toxicity
07/08/2009 - Female reproductive toxicity (de-listed 07/03/2014)

Massachusetts Right To Know Components

Chemical name: Xylene (mixed isomers)
CAS number: 1330-20-7

Safety Data Sheet

NUMIX 2K EASY SANDING ACRYLIC PRIMER HARDENER

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

Massachusetts Right To Know Components

n-Butyl acetate

CAS number: 123-86-4

New Jersey Right To Know Components

n-Butyl acetate

CAS number: 123-86-4

Pennsylvania Right To Know Components

n-Butyl acetate

CAS number: 123-86-4

SARA 302 Components

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

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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

15.2 Chemical Safety Assessment

No further data 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.