

Safety Data Sheet
NUMIX 2K HIGH SOLID ANTI-SCRATCH CLEARCOAT

SECTION 1: Identification

1.1 Product identifier

Product name	NUMIX 2K HIGH SOLID ANTI-SCRATCH CLEARCOAT
Brand	NUMIX

1.2 Recommended use of the chemical and restrictions on use
No further relevant information available.

1.3 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

1.4 Emergency phone number(s)

+971 6 5130000

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

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

- Flammable liquids, Cat. 3
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (single exposure), Cat. 3
- Sensitization, skin, Cat. 1
- Substances and mixtures which, in contact with water, emit flammable gases, Cat. 1
- Flammable aerosols, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

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H222	Extremely flammable aerosol
H226	Flammable liquid and vapor
H260	In contact with water releases flammable gases which may ignite spontaneously
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211	Do not spray on an open flame or other ignition source.
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.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P251	Pressurized container: do not pierce or burn, even after use.
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/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.
P312	Call a POISON CENTER/doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash 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.
P363	Wash contaminated clothing before reuse.
P402+P404	Store in a dry place. Store in a closed container.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122 °F.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous components

1. N-Butyl acetate

Concentration	10 - 20 % (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

H226	Flammable liquid and vapor
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H336 May cause drowsiness or dizziness

2. 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

3. Xylene range aromatic solvent

Concentration 1 - 5 % (weight)
CAS no. 64742-95-6

4. ETHYLBENZENE

Concentration 1 - 3 % (weight)
EC no. 202-849-4
CAS no. 100-41-4
Index no. 601-023-00-4

- Flammable liquids, Cat. 2
- Acute toxicity, inhalation, Cat. 4
- Aspiration hazard, Cat. 1
- Specific target organ toxicity (repeated exposure), Cat. 2

H225 Highly flammable liquid and vapor
H304 May be fatal if swallowed and enters airways
H332 Harmful if inhaled
H373 May cause damage to organs [organs] through prolonged or repeated exposure [route]

5. 2-methoxy-1-methylethyl acetate

Concentration 1 - 5 % (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

6. Decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester

Concentration 1 % (weight)
CAS no. 41556-26-7

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7. Decanedioic acid, 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidiny) ester

Concentration 1 % (weight)

CAS no. 82919-37-7

8. Acrylic resin

Concentration 30 - 50 % (weight)

- Eye damage/irritation, Cat. 2A

H319

Causes serious eye irritation

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.
If inhaled	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
In case of skin contact	Immediately rinse with water.
In case of eye contact	Rinse opened eye for several minutes under running water.
If swallowed	If symptoms persist consult doctor.

4.2 Most important symptoms/effects, acute and delayed

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, sand, extinguishing powder. Do not use water.

5.2 Specific hazards arising from the chemical

No further relevant information available.

5.3 Special protective actions for fire-fighters

· Protective equipment: 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.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and materials for containment and cleaning up

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Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item

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

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions: Keep container tightly sealed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. 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)

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. ETHYLBENZENE (CAS: 100-41-4)

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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) 125 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 100 ppm, (ST) 125 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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.

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

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	Undetermined.
pH	Not determined.
Melting point/freezing point	124-128 °C
Initial boiling point and boiling range	124-128 °C
Flash point	31 °C
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	1.2 Vol %
Upper/lower explosive limits	7.6 Vol %
Vapor pressure	Not determined.
Vapor density	Not determined.
Relative density	Not determined.
Solubility(ies)	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water	Not determined.

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Auto-ignition temperature
Decomposition temperature
Viscosity
Explosive properties

Oxidizing properties

Other safety information

No further relevant information available.

Product is not selfigniting.

Not determined.

Not determined.

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

10.5 Incompatible materials

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

ETHYLBENZENE

LD50 Inhalation - Rat

N-BUTYLACETATE

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

Citation: (OECD Test Guideline 403)

XYLENES (MIXED)

LD50 Inhalation - Rat

Skin corrosion/irritation

N-BUTYLACETATE

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

Citation: (OECD Test Guideline 402)

Serious eye damage/irritation

Causes eye irritation.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

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N-BUTYLACETATE
LD50 Oral - Rat - 10,760 mg/kg
Citation: (OECD Test Guideline 423)

Carcinogenicity
No data available

Reproductive toxicity
No data available

Summary of evaluation of the CMR properties
No data available

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 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.

Results of PBT and vPvB assessment
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

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

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Disposal must be made according to official regulations.

SECTION 14: Transport information

DOT (US)

UN Number: UN1263

Class: 3 Flammable liquids.

Packing Group: III

Proper Shipping Name: UN1263 PAINT

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number: UN1263

Class: 3 Flammable liquids.

Packing Group: III

EMS Number:

Proper Shipping Name: UN1263 PAINT

IATA

UN Number: UN1263

Class: 3 Flammable liquids.

Packing Group: III

Proper Shipping Name: UN1263 PAINT

SECTION 15: Regulatory information

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

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

Massachusetts Right To Know Components

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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

Massachusetts Right To Know Components

Chemical name: Ethylbenzene
CAS number: 100-41-4

New Jersey Right To Know Components

Common name: ETHYL BENZENE
CAS number: 100-41-4

Pennsylvania Right To Know Components

Chemical name: Benzene, ethyl-
CAS number: 100-41-4

California Prop. 65 components

Chemical name: ETHYLBENZENE
CAS number: 100-41-4
11/06/2004 - Cancer

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.