



NATIONAL PAINTS FACTORIES CO. LIMITED

Safety Data Sheet NUMIX MATTING AGENT MA-4

SECTION 1: Identification

1.1 Product identifier

Product name	NUMIX MATTING AGENT MA-4
Brand	NUMIX

1.2 Other means of identification

No data 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 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 Harmonised 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
- Specific target organ toxicity (repeated exposure), Cat. 2
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Sensitization, skin, Cat. 1

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2.2 GHS label elements, including precautionary statements

Pictogram



Hazard statement(s)

H226	Flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child [effect, route]
H373	May cause damage to organs [organs] through prolonged or repeated exposure [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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
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.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
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

Flammable liquid and vapour.
 May be harmful if inhaled.
 Causes skin irritation.
 Causes serious eye irritation.
 May cause an allergic skin reaction.
 Suspected of damaging fertility or the unborn child.
 May cause damage to the hearing organs through prolonged or repeated exposure.

Statement regarding ingredients of unknown toxicity

No further relevant information available.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous components

1. Silica gel, Type GF, 10-40 µm

Concentration	15 - 20 % (weight)
CAS no.	112926-00-8

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. N-Butyl acetate

Concentration	10 - 15 % (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
H336	May cause drowsiness or dizziness

4. 2-Ethoxyethyl acetate

Concentration	10 - 15 % (weight)
EC no.	203-839-2
CAS no.	111-15-9
Index no.	607-037-00-7

- Flammable liquids, Cat. 3
- Toxic to reproduction, Cat. 1B
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, oral, Cat. 4

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled

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5. METHYL METHACRYLATE

Concentration	10 - 15 % (weight)
EC no.	201-297-1
CAS no.	80-62-6
Index no.	607-035-00-6

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

H225	Highly flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H335	May cause respiratory irritation

6. 2-methoxy-1-methylethyl acetate

Concentration	8 - 12 % (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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7. 2-HYDROXYETHYL METHACRYLATE

Concentration	5 - 10 % (weight)
EC no.	212-782-2
CAS no.	868-77-9
Index no.	607-124-00-X

- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2
- Sensitization, skin, Cat. 1

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

8. N-BUTYL ACRYLATE

Concentration	5 - 10 % (weight)
EC no.	205-480-7
CAS no.	141-32-2
Index no.	607-062-00-3

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

H226	Flammable liquid and vapor
H315	Causes skin irritation
H317	May cause an allergic skin reaction

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H319	Causes serious eye irritation
H335	May cause respiratory irritation

9. STYRENE

Concentration	4 - 10 % (weight)
EC no.	202-851-5
CAS no.	100-42-5
Index no.	601-026-00-0

- Flammable liquids, Cat. 3
- Toxic to reproduction, Cat. 2
- Acute toxicity, inhalation, Cat. 4
- Specific target organ toxicity (repeated exposure), Cat. 1
- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2

H226	Flammable liquid and vapor
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H361d	
H372	Causes damage to organs [organs] through prolonged or repeated exposure [route]

10. n-Butyl alcohol

Concentration	2 % (weight)
EC no.	200-751-6
CAS no.	71-36-3
Index no.	603-004-00-6

- Flammable liquids, Cat. 3
- Acute toxicity, oral, Cat. 4
- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 1

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

11. N-METHYL-2-PYRROLIDONE

Concentration	2 % (weight)
EC no.	212-828-1
CAS no.	872-50-4
Index no.	606-021-00-7

- Toxic to reproduction, Cat. 1B
- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2

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H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H360D	

3.2 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 and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.
In case of skin contact	Immediately wash with water and soap and rinse thoroughly.
In case of eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
If swallowed	If symptoms persist consult doctor.
Personal protective equipment for first-aid responders	Wear proper Personal Protective Equipments.

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, 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

No further relevant information available.

5.4 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.

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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

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Silica gel, Type GF, 10-40 µm (CAS: 112926-00-8)

PEL (Inhalation): See Annotated Z-3 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-3 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Annotated Z-3 (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. N-Butyl acetate (CAS: 123-86-4 EC: 204-658-1)

PEL (Inhalation): 150 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

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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)

4. 2-Ethoxyethyl acetate (CAS: 111-15-9)

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

PEL (Inhalation): 540 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

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

REL (Inhalation): 0.5 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

5. Methyl methacrylate (CAS: 80-62-6)

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

PEL (Inhalation): 410 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 50 ppm, (ST) 100 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

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

6. Styrene (CAS: 100-42-5)

PEL (Inhalation): See Annotated Z-2 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-2 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-2 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Annotated Z-2 (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

7. n-Butyl alcohol (CAS: 71-36-3)

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

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

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

TLV® (Inhalation): 20 ppm (ACGIH)

8.2 Appropriate engineering controls

No further relevant information available.

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

Eye/face protection

Wear tightly sealed goggles

Skin protection

Wear Protective gloves.

Body protection

Wear proper Personal Protective Equipments.

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 decomposition if used according to specifications.

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	101 °C
Flash point	33 °C
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability limits	Not determined.
Upper/lower explosive limits	Not determined.
Vapor pressure	47 hPa at 20 °C
Vapor density	Not determined.
Relative density	Not determined.
Solubility(ies)	Fully miscible.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Product is not self-igniting.
Decomposition temperature	Not determined.
Viscosity	Not determined.

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Explosive properties

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

Oxidizing properties

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 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

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

n-Butyl alcohol: Oxidizing agents, Alkali metals, Bases, Strong acids, Halogens

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

No further relevant information available.

Skin corrosion/irritation

Irritant to skin and mucous membranes

Serious eye damage/irritation

Irritating effect.

Respiratory or skin sensitization

Sensitisation possible through skin contact.

Germ cell mutagenicity

No further relevant information available.

Carcinogenicity

No further relevant information available.

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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

No further relevant information available.

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 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: SILICA, AMORPHOUS, PRECIPITATE & GEL
CAS number: 112926-00-8

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

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

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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

New Jersey Right To Know Components

Common name: 2-ETHOXYETHYL ACETATE

CAS number: 111-15-9

Pennsylvania Right To Know Components

Chemical name: Ethanol, 2-ethoxy-, acetate

CAS number: 111-15-9

California Prop. 65 components

Chemical name: 2-Ethoxyethyl acetate

CAS number: 111-15-9

01/01/1993 - Developmental toxicity

01/01/1993 - Male reproductive toxicity

Massachusetts Right To Know Components

Chemical name: Methyl methacrylate

CAS number: 80-62-6

New Jersey Right To Know Components

Common name: METHYL METHACRYLATE

CAS number: 80-62-6

Pennsylvania Right To Know Components

Chemical name: 2-Propenoic acid, 2-methyl-, methyl ester

CAS number: 80-62-6

Massachusetts Right To Know Components

Chemical name: Butyl acrylate

CAS number: 141-32-2

New Jersey Right To Know Components

Common name: BUTYL ACRYLATE

CAS number: 141-32-2

Pennsylvania Right To Know Components

Chemical name: 2-Propenoic acid, butyl ester

CAS number: 141-32-2

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Massachusetts Right To Know Components

Chemical name: Styrene

CAS number: 100-42-5

New Jersey Right To Know Components

Common name: STYRENE MONOMER

CAS number: 100-42-5

Pennsylvania Right To Know Components

Chemical name: Benzene, ethenyl-

CAS number: 100-42-5

California Prop. 65 components

Chemical name: STYRENE

CAS number: 100-42-5

22/04/2016 - Cancer

Massachusetts Right To Know Components

Chemical name: n-Butyl alcohol

CAS number: 71-36-3

New Jersey Right To Know Components

Common name: n-BUTYL ALCOHOL

CAS number: 71-36-3

Pennsylvania Right To Know Components

Chemical name: 1-Butanol

CAS number: 71-36-3

Massachusetts Right To Know Components

Chemical name: N-Methyl-2-pyrrolidone

CAS number: 872-50-4

New Jersey Right To Know Components

Common name: 1-METHYL-2-PYRROLIDONE

CAS number: 872-50-4

Pennsylvania Right To Know Components

Chemical name: 2-Pyrrolidinone, 1-methyl- 2,beta-butoxyethoxyethyl Chloride

CAS number: 872-50-4

California Prop. 65 components

Chemical name: N-METHYL-2-PYRROLIDONE

CAS number: 872-50-4

15/06/2001 - Developmental toxicity

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.