



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : **NAX 2K EXTRA FINE PUTTY 869**
Intended use : Paint
Manufacture/Su:
Company name : NIPPON PAINT(Thailand) CO.,LTD
Address : 101 MOO 3 SOI SUKSAWAT 76,SUKSAWAT ROAD,
T.BANGCHAK A.PRAPRADAENG,SAMUTPRAKARN 10130
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Emergency phone No. :

2. HAZARDS IDENTIFICATION

GHS Classification

- Flammable liquids, Category 3
- Skin corrosion/irritation, Category 2
- Serious eye damage/eye irritation, Category 2A
- Carcinogenicity, Category 2
- Reproductive toxicity, Category 2
- Specific target organ toxicity, repeated exposure, Category 1

GHS Label elements

Hardzard Symbols



Signal Words

Danger

Hazard statements

- H226 Flammable liquid and vapour
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

- 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.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/eye protection/face protection
P281 Use personal protective equipment as required.

Response

- P302 + P352 IF ON SKIN:Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN: Remove/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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse
P370 + P378 In case of fire: Use for extinction: CO2, powder or water spray.

Storage

- P403 + P235 Store in a well-ventilated place,Keep cool.
P405 Store locked up.

Disposal

- P501 Dispose of contents/container in accordance with local/regional/nation/international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration (%)</u>
CALCIUM CARBONATE	471-34-1	50 - 60
STYRENE	100-42-5	15 - 20
TALC (Mg3H2(SiO3)4)	14807-96-6	5 - 10
TITANIUM DIOXIDE	13463-67-7	1 - 2.5

4. FIRST-AID MEASURES

4.1 Description of first aid measure**General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- IF SKIN CONTACT : Immediately wash with water and soap and rinse thoroughly.
IF IN EYES : Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
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.
IF SWALLOWED : If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.



5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

[] water fog. [X] CO₂ [X] foam [X] dry chemicals [X] dry sand

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Mouth respiratory protective device.

Additional information Collect contaminated fire fighting water separately.

It must not enter the sewage system.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

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.

Methods and material 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.

Do not flush with water or aqueous cleansing agents

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

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 receptacle tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters.

Components with limit values that require monitoring at the workplace:

CALCIUM CARBONATE 471-34-1	PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
	REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
	TLV	TLV withdrawn



STYRENE 100-42-5	PEL	Long-term value: 100 ppm Ceiling limit value: 200; 600* ppm *5-min peak in any 3 hrs
	REL	Short-term value: 425 mg/m ³ , 100 ppm Long-term value: 215 mg/m ³ , 50 ppm
	TLV	Short-term value: 170 mg/m ³ , 40 ppm Long-term value: 85 mg/m ³ , 20 ppm BEI

Ingredients with biological limit values:

STYRENE 100-42-5	BEI	400 mg/g creatinine Medium: urine Time: end of shift Parameter: Mandelic acid plus phenylglyoxylic acid (nonspecific) 0.2 mg/L Medium: venous blood Time: end of shift Parameter: Styrene (semi-quantitative)
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Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:

Protective gloves

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

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable: Fluorocarbon rubber (Vitr

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Rubber gloves

**Eye protection:**

Tightly sealed goggles

Body protection: Protective work clothing**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: Fluid
Color	: Beige
Odor	: Characteristic
pH value	: Not determined.
Melting range	: Undertermined
Boiling point (range)	: 145 °C (193 °F)
Flash point	: 31 °C
Ignition temperature	: 480 °C (896 °F)
Auto igniting	: Product is not selfigniting.
Danger of explosion	: Risk of explosion by shock, friction, fire or other sources of ignition.
Lower explosion limit	: 1.2 Vol%
Upper explosion limit	: 8.9 Vol%
Specific density	: 1.49 g.cm ³ / 20 °C
Vapor density	: Not determined.
Solubility in water	: none or poor in water
Solvent content	: 16%
VOC content	: 241.3 g/l /2.01 lb/gl
solid content	: 83.2%

10. STABILITY AND REACTIVITY**- Reactivity****- Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specification**- Possibility of hazardous reactions** No dangerous reactions known.**- Conditions to avoid** No further relevant information available.**- Incompatible materials:** No further relevant information available.**- Hazardous decomposition products:** No dangerous decomposition products known.**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****Acute toxicity:**

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)	
Oral	LD50 31398 mg/kg (rat)
Dermal	LD50 3355705 mg/kg (rabbit)
Inhalative	LC50/4 h 102 mg/l (rat)
471-34-1 calcium carbonate	
Oral	LD50 6450 mg/kg (rat)
100-42-5 styrene	
Oral	LD50 5000 mg/kg (rat)
Inhalative	LC50/4 h 24 mg/l (rat)



13463-67-7 titanium dioxide	
Oral	LD50 >20000 mg/kg (rat)
Dermal	LD50 >10000 mg/kg (rabbit)
Inhalative	LC50/4 h >6.82 mg/l (rat)

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: Sensitizing effect through inhalation is possible with prolonged exposure.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)	
100-42-5	styrene 2B
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄) 2B
13463-67-7	titanium dioxide 2B
1330-20-7	xylene 3
108-88-3	toluene 3
75-35-4	1,1-dichloroethylene 3
107-13-1	acrylonitrile 2B
NTP (National Toxicology Program)	
100-42-5	styrene R
107-13-1	acrylonitrile R
OSHA-Ca (Occupational Safety & Health Administration)	
107-13-1	acrylonitrile R

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).

vPvB: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

Other adverse effects No further relevant information available.



13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations

14. TRANSPORT INFORMATION

UN-Number

ADR, IMDG, IATA UN1263

UN proper shipping name

ADR 1263 PAINT, special provision 640E
IMDG, IATA PAINT

Transport hazard class(es)

ADR



Class 3 (F1) Flammable liquids.
Label 3

IMDG, IATA



Class 3 Flammable liquids.
Label 3

Packing group

ADR, IMDG, IATA III

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances):	
107-13-1	acrylonitrile
Section 313 (Specific toxic chemical listings):	
100-42-5	styrene
1330-20-7	xylene
108-88-3	toluene
75-35-4	1,1-dichloroethylene
107-13-1	acrylonitrile



TSCA (Toxic Substances Control Act):	
471-34-1	calcium carbonate
100-42-5	styrene
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)
13463-67-7	titanium dioxide
25214-39-5	copolymer
1332-37-2	Iron oxide
122-99-6	2-Phenoxyethanol
1330-20-7	xylene
75-28-5	isobutane
108-88-3	toluene
75-35-4	1,1-dichloroethylene
107-13-1	acrylonitrile

Proposition 65

Chemicals known to cause cancer:	
13463-67-7	titanium dioxide
107-13-1	acrylonitrile
Chemicals known to cause reproductive toxicity for females:	
108-88-3	toluene
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
108-88-3	toluene

Carcinogeny categories

EPA (Environmental Protection Agency)		
1330-20-7	xylene	I
108-88-3	toluene	II
75-35-4	1,1-dichloroethylene	C, S (inh.), I (oral)
107-13-1	acrylonitrile	B1
TLV (Threshold Limit Value established by ACGIH)		
100-42-5	styrene	A4
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
13463-67-7	titanium dioxide	A4
1330-20-7	xylene	A4
108-88-3	toluene	A4
75-35-4	1,1-dichloroethylene	A4
107-13-1	acrylonitrile	A3
NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
75-35-4	1,1-dichloroethylene	
107-13-1	acrylonitrile	

15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.



16. OTHER INFORMATION

This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H361d Suspected of damaging the unborn child.

H372 Causes damage to through prolonged or repeated exposure.
