



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : **NAX 2K PUTTY FAST DRY**
Intended use : Putty
Manufacture :
Company name: NIPPON PAINT(Thailand) CO.,LTD
Address : 101 MOO 3 SOI SUKSAWAT 76,SUKSAWAT ROAD,
T.BANGCHAK A.PRAPRADAENG,SAMUTPRAKARN 10130
Telephone No. : +66(0)2463-0032
Facsimile No. : +66(0)2463-2214
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 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/vapours/spray
P264 Wash hand, mouth, etc, 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 First Aid Measures)
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Ta
P370 + P378 In case of fire: Use appropriate media for extinction.

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>
STYLENE	100-42-5	10 - 15

4. FIRST-AID MEASURES

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 SWALLOWED : If symptoms persist consult 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 IN EYES : Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.



5. FIRE-FIGHTING MEASURES

Suitable fire-extinguishing media:

CO2, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water with full jet

Advice for firefighters

Protective equipment: Mouth respiratory protective device.

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).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limit :

Ingredient Name

WEL

STYLENE

Short-term value: 1,080 mg/m³, 250 ppm

Long-term value: 430 mg/m³, 100 ppm

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.

**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.

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.

Eye protection:

Tightly sealed goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Pasty
Color	:	According to product specification
Odor	:	Characteristic
pH value	:	Not determined.
Boiling point (range)	:	145 °C
Flash point	:	31 °C
Ignition temperature	:	480 °C
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	:	1.649 g/cm ³ at 20 °C
Vapor density	:	Not determined.
Solubility in water	:	Not miscible or difficult to mix.
Solvent content	:	14.4%
solid content	:	85.2%

10. STABILITY AND REACTIVITY

- Reactivity**- Chemical stability**

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications

- Possibility of hazardous reactions: No dangerous reactions known.

- Hazardous decomposition products: No dangerous decomposition products known.



11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

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: No sensitizing effects known.

Additional toxicological 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

Irritant

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: No further relevant information available.

Additional ecological information:**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water □

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

13. DISPOSAL CONSIDERATIONS

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

Land transport ADR/RID (cross-border)



ADR/RID class:	3 (F1) Flammable liquids.
Danger code (Kemler):	30
UN-Number:	1263
Packaging group:	III
Hazard label:	3
UN proper shipping name:	1263 PAINT
Tunnel restriction code	D/E

Maritime transport IMDG:



IMDG Class:	3
UN Number:	1263
Label	3
Packaging group:	III
EMS Number:	F-E,S-E
Marine pollutant:	No
Proper shipping name:	PAINT

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class:	3
UN/ID Number:	1263
Label	3
Packaging group:	III
Proper shipping name:	PAINT

UN "Model Regulation": UN1263, PAINT, 3, III

Special precautions for user Warning: Flammable liquids.

15. REGULATORY INFORMATION

Chemical safety assessment: A Chemical Safety Assessment has not 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.

R10 Flammable.

R20 Harmful by inhalation.

R36/38 Irritating to eyes and skin.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

* Data compared to the previous version altered.