

### SECTION 1: PRODUCT & COMPANY IDENTIFICATION

Product Name : **NIPPON CONCRETE METAL BONDING AGENT (Powder)**  
 Supplier : Nippon Paint (Singapore) Co. Pte Ltd  
 1, First Lok Yang Road, Jurong,  
 Singapore 629728  
 Company Phone : (65) 6265 5355  
 Emergency Phone : (65) 6265 5355  
 Revised On : 2/15/2023  
 Recommended Use : Dry mineral powder. When combined with emulsion forms a rust inhibiting cementitious coating.

### SECTION 2: HAZARDS IDENTIFICATION

**Pictogram:**



GHS08 GHS07

**Signal Word:** Danger

**Hazards Classification:** Skin Irritant Category 2; Eye Irritant Category 2; Specific target organ toxicity, single exposure; Respiratory tract irritation: Category 3; Carcinogenicity: Category 1A, 1B, 2; Specific target organ toxicity, repeated exposure: Category 1

<u>Hazard Statement</u>	<u>Precautionary Statements</u>
H303 May be harmful if swallowed H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H350 May cause cancer. H350i May cause cancer if inhaled. H351 Suspected of causing cancer. H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust/fume/gas/mist/vapours/spray. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P314 Get medical advice/attention if you feel unwell. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see... on this label). P362 Take off contaminated clothing and wash before reuse. P405 Store locked up. P501 Dispose of contents/container according to regulations. P302+P352 IF ON SKIN: wash with plenty of soap and water. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. P332+P313 SKIN irritation occurs: Get medical advice/attention. P337+P313 IF eye irritation persists: Get medical advice/attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**Hazards not otherwise classified (HNOC) or not covered by GHS: None.**

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Weight %
Synthetic Pyrogenic Silica	112945-52-5	2.5%
2,4,6-Triamino-1,3,5-triazine	108-78-1	6.0%
Proprietary	Proprietary	0.5%
Silicon Dioxide	7631-86-9	1.5%
Crystalline Silica (Quartz)	14808-60-7	18.0%
Proprietary	Proprietary	0.5%
Zirconium Oxide	1314-23-4	18.0%
Iron Oxide	1317-61-9	15.0%
Trade Secret	Trade Secret	10.0%
Silicon Carbide	409-21-2	18.0%
Wollastonite	13983-17-10	10.0%

**SECTION 4: FIRST-AID MEASURES**

- First-aid measures general : If exposed or concerned, get medical advice/attention.
- First-aid measures after inhalation : Allow victim to get fresh air. Allow victim to rest.
- First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, get medical advice/attention.
- First-aid measures after eye contact : Rinse with water for several minutes. Remove contact lenses. Continue rinsing. If eye irritation persists, get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Most important symptoms and effects (acute and delayed)**

- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after skin contact : Causes skin irritation.

**SECTION 5: FIRE-FIGHTING MEASURES**

This product is not combustible.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Emergency Procedures : Evacuate unnecessary personnel. Ventilate area.
- Protective Equipment : Equip clean up personnel with proper personal protection.
- Environmental Precautions : Limit exposure to the environment.
- Method for clean up : Minimize dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed labeled waste container.
- Reference to other sections : 7-safe handling; 8-personal protection equipment; 13-disposal information.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:**

- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent accumulation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

- Additional hazards when processed : Good ventilation of the workplace required.
- Handling temperature : 5 – 45 °C
- Hygiene measures : Wash hands/other exposed areas with mild soap before eating, drinking or smoking, & when leaving work.

**Conditions for safe storage, including any incompatibilities**

- Storage conditions : Keep container closed when not in use. Protect against moisture.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : No additional information.
- Maximum storage period : 36 months, under recommended conditions.
- Storage temperature : 4 - 40 °C
- Specific end uses : No additional information.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Control parameters : No additional information.
- Exposure controls
- Personal Protective Equipment : Avoid all unnecessary exposure.
- Skin and Body Protection : Wear suitable protective clothing.
- Eye Protection : Wear chemical goggles or safety glasses
- Hand Protection : Wear protective gloves.
- Respiratory Protection : Wear appropriate mask.
- Other Information : Do not eat/drink/smoke during use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific Physical Form</b>	: Dry gray powder	<b>Decomposition Temperature</b>	: Not Applicable.
<b>Odor</b>	: Odorless.	<b>Boiling Point</b>	: 100°C
<b>Density</b>	: 1.1 g/cm3	<b>Vapor Density</b>	: Not Applicable.
<b>Vapor Pressure</b>	: Not Applicable.	<b>Autoignition Temperature</b>	: Not Applicable.
<b>pH Range</b>	: 7 – 8	<b>Melting/Freezing Point</b>	: Not Applicable.
<b>Solubility In Water</b>	: Not soluble.	<b>Evaporation Rate</b>	: Not Applicable.

<b>Log Pow/Log Kow</b>	: Not Applicable.	<b>Odor Threshold</b>	: Not Applicable.
<b>Relative Density</b>	: Not Applicable.	<b>Flammability (Solid, Gaseous)</b>	: Not Applicable.
<b>Explosion Limits</b>	: Not Applicable.	<b>Viscosity Kinematic/Dynamic</b>	: Not Applicable.
<b>Flash Point</b>	: Not Applicable.	<b>Percent Solids Range</b>	: 100%

**Other information:** No further relevant information available.

## SECTION 10: STABILITY AND REACTIVITY

Reactivity	: No data available.
Stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Not established.
Conditions to avoid	: Exposure to moisture and liquids. Extreme temperatures.
Incompatible materials	: Strong Acids. Strong Bases.
Hazardous decomposition products	: No data available.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Effects:** Known to be a human carcinogen

<b>Quartz (Crystalline Silica) - CAS No. 14808-60-7</b>	
Silica dust, crystalline, in the form of quartz is classified by IARC as Group 1 (carcinogenic to humans) based on "sufficient evidence" in occupationally exposed humans and sufficient evidence in animals.	
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified.
Germ cell mutagenicity:	No known significant effects or critical hazards.
Carcinogenicity:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Reproductive toxicity:	No known significant effects or critical hazards.
Specific organ target toxicity (single exp):	No known significant effects or critical hazards.
Specific organ target toxicity (rep exp):	No known significant effects or critical hazards.
Aspiration hazard:	Not classified.
Symptoms/injuries after skin contact:	May cause skin irritation.
Symptoms/injuries after eye contact:	Causes serious eye irritation.
Other chronic effects:	May adversely affect the lung (pneumoconiosis) and/or lung function. May cause silicosis. Severity of effect depends on duration and level of exposure.

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity:	: Not known to be exotoxic; no data suggests toxicity to birds, fish, invertebrates, microorganisms, or plants.
Persistence and Degradability:	: No data available.
Bioaccumulative potential:	: No data available.
Mobility in soil:	: No data available.
Other adverse effects:	: Effect on ozone layer: No additional information available Effect on global warming: No known ecological damage caused by this product Other information: Avoid release to the environment

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Waste materials	: Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

In accordance with DOT. Not regulated for transportation. HS Code: 2523.29

## SECTION 15: REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the US Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. This product or mixture does not contain a toxic chemical or chemicals in excess of the minimal applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**CANADA:** One of the components of this product is listed on the Canadian DSL (Domestic Substances List).

**EU-Regulations:** One of the components of this product is listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances). All components of this product are REACH compliant.

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]:** Not classified.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]:** Not classified.

**California Proposition 65** - This product contains, or may contain, trace quantities of a substance known to the State of California to cause cancer and/or reproductive toxicity.

<b>Quartz (Crystalline Silica) - CAS No. 14808-60-7</b>				
U.S- California- Proposition 65- Carcinogens List	U.S.- California- Proposition 65- Developmental Toxicity	U.S- California- Proposition 65- Reproductive Toxicity- Female	U.S- California- Proposition 65- Reproductive Toxicity- Male	No significant risk level (NSRL)

**SECTION 16: OTHER INFORMATION**

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. NIPPON PAINT MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a NIPPON PAINT product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the NIPPON PAINT product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

SDS number: OTH-0217