



# SAFETY DATA SHEET

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## P-808/50 BONDING AGENT

Revised edition no : 04

Effective Date: 24.8.2023

### 1 Identification of the Product and the company

Chemical Name : Bonding Agent  
Type of product chemical family : N/A  
Use : Cement modifier  
Producer : TLC-KOYA CHEMICALS MANUFACTURING SDN BHD  
No.22 & 23, Jalan maju 1,  
Cemerlang Industrial Estate,  
81800. Ulu Tiram, Johor, malaysia.  
Tel: 607-8675798 Fax: 607-8675799  
Website: www.koyachemicals.com Email: admin@koyachemicals.com  
Emergency phone no : See producer

### 2 Hazard Identification

Pictogram :



SIGNAL WORD: DANGER

Skin sensitization

Carcinogenicity

Category 1

Category 1B

HAZARD STATEMENT

H317:May cause allergic skin reaction

H350:May cause cancer

PRECAUTIONARY STATEMENT

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminate work clothing shall not be allowed out of the workplace

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P321 Specific treatment reference to supplemental first aid instruction.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation

### 3 Composition / Information on Ingredients

- Chemical characterisation: Mixtures
- Description: Mixture: consisting of the following components.

#### • Dangerous Components:

55965-84-9	3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. With 2-methyl-3(2H)-isothiazolone Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic1, H410; Skin Sens. 1,H317	≤ 0.0030%
108-05-4	vinyl acetate Flam. Liq. 2, H225; Carc. 2, H351; Acute Tox. 4, H332; STOT SE 3, H335; Acute Tox. 5, H303; Aquatic Chronic 3, H412	< 0.5%

#### • Non-Hazardous Component(s):

Substance Name:	CAS No:	%
Vinyl acetate-ethylene copolymer	24937-78-8	30 - 60

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#### 4 First Aid Measures

- Description of first aid measures
- General information : First aider needs to protect himself.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Rinse cautiously with water for several minutes.
- After eye contact: Rinse opened eye for 15 minutes under running water. If symptom persists consult a doctor.
- After swallowing: Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.
- Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

#### 5 Fire-Fighting Measures

- Extinguishing media
- Suitable extinguishing agents: This product is non-flammable under normal circumstances. Dried-up substance, however, is combustible, CO<sub>2</sub>, powder, foam, water, or water spray can be used to extinguish fire. Water jet can also be used in scenario of non-liquid combustion.
- For safety reasons unsuitable extinguishing agents: None
- Special hazards arising from the substance or mixture  
Combustion of dried-up substance will release carbon oxides(CO,CO<sub>2</sub>).
- Advice for firefighters - Use water spray to cool unopened containers.
- Protective equipment: If necessary, wear fully protective suit and air respirator.
- Additional information - Avoid contact with skin, eye, and clothing.  
Do not inhale explosion gases or combustion gases.

#### 6 Accidental Release measures

- Personal precautions, protective equipment and emergency procedures  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:  
Collect, bind, and pump of spills.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Allow to solidify. Pick up mechanically.
- 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.

#### 7 Handling and Storage

- Precautions for safe handling  
Wear protective gloves/ protective clothing/eye protection/face protection.  
Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection: The product is not flammable.
- Storage:  
●Requirements to be met by storerooms and receptacles:  
Store in cool, dry place in tightly closed receptacles.
- Further information about storage conditions: Store at 5°C to 40°C

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#### 8 Exposure controls / personal protection

- Additional information about design of technical facilities:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

- Control parameters

- Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Exposure controls

- Personal protective equipment:

•General protective and hygienic measures: Wash hands before breaks and at the end of work.

- Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Short term filter device.

Filter A/P2

- Protection of hands: Protective gloves

The selected protective gloves have to satisfy the specifications of standard EN 374 or its equivalent.

Replace gloves immediately when torn or any change in appearance (dimension, colour, flexibility etc) is noticed.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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 substance, 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

Safety glasses with side shields conforming to EN166, ANSI 87.1-2010, or equivalent.

- Body protection

Protective work clothing

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### 9 Physical and chemical properties

Appearance	: liquid
Colour	: white
pH value	: 5-6 @24-26.5°C
Specific gravity	: 1.00@28.9°C
Viscosity	: 320-420cst@26°C

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#### 10 Stability and Reactivity

Reactivity	When properly handled and stored, no dangerous reaction is known.
Chemical stability	This product is stable under prescribed use and storage.
Thermal decomposition/conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	Protect from heat. Keep ignition sources away.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide (CO) and carbon dioxide(CO <sub>2</sub> )

#### 11 Toxicological information

Information on toxicological effects	
Acute toxicity	Not classified based on available data.
Skin corrosion/irritation	Not classified based on available data.
Serious eye damage/eye irritation	Not classified based on available data.
Respiratory or skin sensitization	May cause an allergic skin reaction. Contributing component: Biocide/fungicide (CAS No 55965-84-9)
Germ Cell Mutagenicity	Not classified based on available data.
Carcinogenicity	Not classified based on available data. This product contains an impurity, vinyl acetate (CAS No. 108-05-4). IARC classified vinyl acetate as carcinogen Group 2B (Possibly carcinogenic to humans). The concentration of the impurity is below classifying threshold of 1,0%.
Reproductive Toxicity	Not classified based on available data.
Specific Target Organ Toxicity -	Not classified based on available data.
Single Exposure (STOT SE)	
Specific Target Organ Toxicity -	
Repeated Exposure (STOT RE)	Not classified based on available data.
Aspiration Hazard	Not classified based on available data.
Primary irritant effect	
on the skin	No irritating effect.
on the eye	No irritating effect.
Sensitisation	Sensitisation possible through skin contact.

#### 12 Ecological information

Toxicity	
Aquatic toxicity	Not classified based on available data.
Persistence and degradability	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
Mobility in soil	No further relevant information available.
Additional ecological information - General Notes	
Water hazards 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.	
Other adverse effects	No further relevant information available.

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#### 13 Disposal Considerations

##### Waste treatment methods

##### Recommendation

On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.

Smaller quantities can be disposed of with household waste.

Any disposal method should also comply with national, regional, provincial, and local laws.

##### Uncleaned packaging

##### Recommendation

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

#### 14 Transport information

General information : This Product is not regulated for road/rail & sea transport.

#### 15 Regulatory Information

Classification and labeling : Classification / symbol - not regulated

Governing directive : Occupational Safety and Health (Classification, Packaging and Labeling of Hazardous Chemicals) Regulations 1997.

Safety advice : May contain information in excess of requirements under applicable laws.

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P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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#### 16 Other information

Further information : None

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N/A - Not Applicable

N/D - Not Determined

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

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