

**Safety Data Sheet****MAPECOAT TNS BASE COAT BINDER NA**

Safety Data Sheet dated: 09/24/2025 - version 5

Date of first edition: 09/22/2021

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**1. IDENTIFICATION****Product identifier used on the label**

Mixture identification:

Trade name: MAPECOAT TNS BASE COAT BINDER NA

Trade code: 906UK9990

**Recommended use of the chemical and restrictions on use**

Recommended use: Acrylic paint

Restrictions on use: Not available

**Name, U.S. address, and U.S. telephone number of the chemical manufacturer, importer, or other responsible party**

Company: MAPEI CORP. (USA and Puerto Rico)

1144 East Newport Center Drive - 33442 - Deerfield Beach - FL - USA

Phone: 954-246-8888

Responsible: RDProductSafety@mapei.com

**Emergency 24 hour numbers:**

Emergency Number (USA/Canada) CHEMTREC 1(800) 424-9300 / 1(703) 527-3887

Emergency Transport CANUTEC (Canada) 1-613-996-6666

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**2. HAZARD(S) IDENTIFICATION****Classification of the chemical**

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Label elements**

The product is not classified as hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Hazards associated with foreseeable chemical reactions**

None

**Ingredient(s) with unknown acute toxicity:**

None

**Hazards not otherwise classified identified during the classification process:**

None

This product contains crystalline silica (quartz sand). IARC has classified crystalline silica as a Group 1 carcinogen. Both IARC and NTP consider silica as a known human carcinogen. Evidence is based on the chronic and long-term exposure workers have had to respirable sized crystalline silica dust particles. Because this product is in liquid or paste form, it does not pose a dust hazard; therefore, this classification is not relevant. (Note: sanding of the hardened product may create a silica dust hazard)

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances**

Not Relevant

**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

Qty	Name	Ident. Numb.	Classification
≥0.1 - <0.2 %	silica sand; quartz	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372; Carc. 1A, H350

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**4. FIRST AID MEASURES****Description of first aid measures**

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

#### **Most important symptoms/effects, acute and delayed**

Not available

#### **Indication of any immediate medical attention and special treatment needed**

Treatment: Not available  
(see paragraph 4.1)

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## **5. FIRE-FIGHTING MEASURES**

#### **Extinguishing media**

Suitable extinguishing media:

Water.  
Carbon dioxide (CO<sub>2</sub>).

#### **Unsuitable extinguishing media:**

None in particular.

#### **Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.

Hazardous combustion products: Not available  
Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

#### **Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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## **6. ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.  
Remove persons to safety.  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Limit leakages with earth or sand.

#### **Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand  
Retain contaminated washing water and dispose it.

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## **7. HANDLING AND STORAGE**

#### **Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.

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

Store above freezing  
Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

Storage temperature: Not available

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Control parameters**

#### **Occupational Exposure Limits (OEL)**

	<b>OEL Type</b>	<b>Country</b>	<b>Occupational Exposure Limit</b>
silica sand; quartz CAS: 14808-60-7	ACGIH		Long Term: 0,025 mg/m <sup>3</sup> A2 - Suspected Human Carcinogen;lung cancer;pulmonary fibrosis

MAK	AUSTRIA	Long Term: 0,15 mg/m <sup>3</sup>
ACGIH		Long Term: 0,025 mg/m <sup>3</sup> (R), A2 - Pulm fibrosis, lung cancer
MAK	SWITZERLAND	Long Term: 0,15 mg/m <sup>3</sup>
EU		Long Term: 0,1 mg/m <sup>3</sup> Behaviour Binding

Appropriate engineering controls: Not available

#### **Individual protection measures**

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Suitable materials for safety gloves; 29 CFR 1910.138 - ANSI/ISEA 105:

Polychloroprene - CR: thickness >=0,5mm; breakthrough time >=480min.

Nitrile rubber - NBR: thickness >=0,35mm; breakthrough time >=480min.

Butyl rubber - IIR: thickness >=0,5mm; breakthrough time >=480min.

Fluorinated rubber - FKM: thickness >=0,4mm; breakthrough time >=480min.

Use impervious gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Respiratory protection must be used where exposure levels exceed workplace exposure limits. Refer to 29 CFR 1910.134 - CSA Z94.4 for information on selection and use of appropriate respiratory protection equipment.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

#### **Information on basic physical and chemical properties**

Physical state: Liquid

Appearance and colour: paste various

Odour: ammonia

Odour threshold: Not Relevant

Melting point / freezing point: Not Relevant

Initial boiling point and boiling range: Not Relevant

Flammability: Not Relevant

Upper/lower flammability or explosive limits: Not Relevant

Flash point: 100 °C (212 °F)

Auto-ignition temperature: Not Relevant

Decomposition temperature: Not Relevant

pH: 9.11

Viscosity: Not Relevant

Kinematic viscosity: No data available

Solubility in water: dispersible

Solubility in oil: Not Relevant

Partition coefficient (n-octanol/water): Not Relevant

Vapour pressure: Not Relevant

Evaporation rate: Not Relevant

Relative density: 1.24 g/cm<sup>3</sup>

Vapour density: Not Relevant

## Particle characteristics:

Particle size: No data available

## Other information

Explosive properties:	Not Relevant
Oxidizing properties:	Not Relevant
Solid/gas flammability:	Not Relevant
Substance Groups relevant properties:	Not Relevant
Miscibility:	Not Relevant
Fat Solubility:	Not Relevant
Conductivity:	Not Relevant

## 10. STABILITY AND REACTIVITY

## Reactivity

Stable under normal conditions

## Chemical stability

Data not available

## Possibility of hazardous reactions

None

## Conditions to avoid

Stable under normal conditions

## Incompatible materials

#### **Variable Materials**

## Hazardous decomposition products

None

## 11. TOXICOLOGICAL INFORMATION

## Information on toxicological effects

## Toxicological Information of the Preparation

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

#### Toxicological information on main components of the mixture:



IATA-Technical name: Not Applicable  
IMDG-Technical name: Not Applicable

#### **Transport hazard class(es)**

DOT-Hazard Class: Not Applicable  
ADR-Class: Not Applicable  
IATA-Class: Not Applicable  
IMDG-Class: Not Applicable

#### **Packing group**

DOT Packing Group: Not Applicable  
ADR-Packing Group: Not Applicable  
IATA-Packing group: Not Applicable  
IMDG-Packing group: Not Applicable

#### **Environmental hazards**

Marine pollutant: No  
Environmental Pollutant: Not Applicable  
DOT-RQ: No

#### **Transport in bulk according to IMO instruments**

N.A.  
Not Applicable

#### **Special precautions**

Department of Transportation (DOT):

Not Applicable

Road and Rail ( ADR-RID ) :

Not Applicable

Air ( IATA ) :

Not Applicable

Sea ( IMDG ) :

Not Applicable

### **15. REGULATORY INFORMATION**

This Safety Data Sheet has been prepared according to the Hazard Communication Standard 2024 (HCS 2024)

#### **USA - Federal regulations**

##### **TSCA - Toxic Substances Control Act**

All the components are listed on the TSCA inventory

##### **TSCA listed substances:**

silica sand; quartz is listed in TSCA Section 8b

##### **SARA - Superfund Amendments and Reauthorization Act**

##### **Section 302 - Extremely Hazardous Substances:**

No substances listed

##### **Section 304 - Hazardous substances:**

No substances listed

##### **Section 313 - Toxic chemical list:**

No substances listed

##### **CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act**

##### **Substance(s) listed under CERCLA:**

No substances listed

##### **CAA - Clean Air Act**

##### **CAA listed substances:**

No substances listed

##### **CWA - Clean Water Act**

##### **CWA listed substances:**

No substances listed

#### **USA - State specific regulations**

##### **California Proposition 65**

##### **Substance(s) listed under California Proposition 65:**

silica sand; quartz Listed as carcinogen

##### **Massachusetts Right to know**

##### **Substance(s) listed under Massachusetts Right to know:**

silica sand; quartz

#### **Pennsylvania Right to know**

##### **Substance(s) listed under Pennsylvania Right to know:**

silica sand; quartz

#### **New Jersey Right to know**

##### **Substance(s) listed under New Jersey Right to know:**

silica sand; quartz

#### **Canada - Federal regulations**

##### **DSL - Domestic Substances List**

All the substances are listed in the DSL.

##### **NDSL - Non Domestic Substances List**

This product complies with NDSL inventory

##### **NPRI - National Pollutant Release Inventory**

##### **NPRI (National Pollutant Release Inventory) - List of substances listed.**

No substances listed

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## **16. OTHER INFORMATION**

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Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

#### **Code**      **Description**

H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure.

#### **Code**      **Hazard class and hazard category**      **Description**

A.6/1A	Carc. 1A	Carcinogenicity, Category 1A
A.9/1	STOT RE 1	Specific target organ toxicity following repeated exposure, Category 1

#### **Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation 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 Regulation 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 Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EU CLP Index: Index number as reported in Annex VI to EU Reg. 1272/2008

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

#### **Paragraphs modified from the previous revision:**

- 2. HAZARDS IDENTIFICATION

- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 14. TRANSPORT INFORMATION
- 16. OTHER INFORMATION