



Revision nr.1 Dated 11/18/2024 First compilation Printed on 11/18/2024 Page n. 1/10

Safety Data Sheet

According to Canadian HPR - WHMIS 2015

1. Identification				
1. Identification				
I. I. Product Identifier				
Code: Product name	ANTI-SLIPM ANTISLIP M			
I.2. Relevant identified uses of the substance or mixtu	re and uses ad	vised against		
Intended use	Water-based	l non-slip trea	atment for marble	
Identified Uses	Industrial		Professional	Consumer
ADHESIVE SYSTEM/TREATMENT FOR STONE SECTOR				
SECTOR	\checkmark		\checkmark	-
.3. Details of the supplier of the safety data sheet				
Name	TENAX SPA			
Full address District and Country	Via I Maggio 37020	, 226 Volargne		(VR)
	57020	Italy		
	Tel. Fax	+39 045 688 +39 045 686		
e-mail address of the competent person responsible for the Safety Data Sheet	msds@tena	x.it		
Supplier:		5831173 - Fax	Center Drive Suite 400 001 7045833166), 28273 Charlotte NC, US
.4. Emergency telephone number				
For urgent inquiries refer to	24hrs:			
	Manitoba Po	oison Centre 1	I-855-7POISON (1-855-	776-4766)
			rmation Centre (DPIC)	
		011 (toll free i	•	
	(004 <i>)</i> 082-50	ou (Greater V	ancouver or outside of	
	Centre antip	oison du Qué	ebec 1-800-463-5060	
	IWK Regiona	al Poison Cer	ntre	
		•	and PEI only)	
	(902) 470-81	ьт (Halifax or	outside NS, PEI)	
		-	tion Services (PADIS)	
			n Alberta, Northwest T	erritories)
		•	n Saskatchewan) /, outside of Alberta, o	r VOIP users)
	Ontario Pois	on Centre 1-	800-268-9017	
2. Hazards identification				

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in Canada's Hazardous Products Regulations (HPR) (WHMIS 2015). The product thus requires a safety datasheet.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

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Tenax	ANTISLIP M		First compilation Printed on 11/18/2024 Page n. 2 / 10
2. Hazards identification	/>>		
Classification and Hazard S Substance or mixture co	Statement prrosive to metals, category	May be corrosive to metals.	
Skin corrosion, category		Causes severe skin burns and e	eye damage.
Serious eye damage, ca Hazard pictograms:	ategory 1	Causes serious eye damage.	
Signal words:	Danger		
Hazard statements:			
H290	May be corrosive to metals.		
H314	Causes severe skin burns and eye	damage.	
Precautionary statements: Prevention:			
P260	Do not breathe dust / fume / gas / m	nist / vapours / spray.	
P234	Keep only in original packaging.		
P264	Wash the hands thoroughly after ha	5	
P280	Wear protective gloves / eye protec	tion / face protection.	
Response:			
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.		
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].		
P310	Immediately call a POISON CENTER / doctor if you feel unwell.		
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.		
P390	Absorb spillage to prevent material damage.		
P363	Wash contaminated clothing before	reuse.	
Storage:	- · · ·		
P405	Store locked up.		
Disposal:			
P501	Dispose of contents / container acc	ording to applicable law.	
2.2. Other hazards			
Information not available			
3. Composition/inform	ation on ingredients		

3.2. Mixtures

Contains:

Identificatio	on	x = Conc. % (w/w)	Classification:
PHOSPHC CAS	RIC ACID 7664-38-2	2≤x< 2.5	Substance or mixture corrosive to metals, category 1 H290, Acute toxicity, category 4 H302, Skin corrosion, category 1B H314, Serious eye damage, category 1 H318

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

The full wording of hazard (H) phrases is given in section 16 of the sheet.

4. First-aid measures

4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.



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4. First-aid measures ... / >>

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Rinse your mouth with running water. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

4.3. Indication of any immediate medical attention and special treatment needed

If symptoms occur, whether acute or delayed, consult a doctor.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

5. Fire-fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

Combustion products: COx, POx, SiOx.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.



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6. Accidental release measures ... / >>

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

8. Exposure controls/personal protection

OEL EU

8.1. Control parameters

Regulatory references:

EU

Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. ACGIH 2023

TLV-ACGIH

PHOSPHORIC ACID **Threshold Limit Value** Туре Country TWA/8h STEL/15min Remarks / Observations mg/m3 ppm mg/m3 ppm TLV-ACGIH 3 FU OFL 1 2 OSHA USA 1

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

PHOSPHORIC ACID

Sampling methods: https://amcaw.ifa.dguv.de/substance/methoden/094-phosphoric acid 2016.pdf

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must comply with current regulations. HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (OSHA 29 CFR 1910.138): compatibility, degradation, permeability time.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing. EYE PROTECTION

Wear airtight protective goggles (OSHA 29 CFR 1910.133, CSA Standard CAN/CSA-Z94.3-92).



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8. Exposure controls/personal protection ... />>

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a NIOSH certified filter, whose class must be chosen according to the limit of use concentration (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134, CSA Standard Z94.4-02). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. For a correct choice of respiratory protection device, see standard NIOSH 42 CFR 84, OSHA 29 CFR 1910.134, CSA Standard Z94.4-02.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

HAND PROTECTION: Protect hands with work gloves for protection from chemical agents in nitrile or fluoroelastomer (EN 374-1: 2016) at least type B or higher based on the risk assessment carried out by the company. Breakthrough time> 480 minutes. Material thickness:

NITRILE short contact> 0.38 mm prolonged contact> 0.55 mm FLUOROELASTOMER short contact> 0.50 mm prolonged contact> 1.50 mm

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties		Value			Information
Appearance		liquid			
Colour		white			
Odour		odour	less		
Odour threshold		not av	ailable		
pH		1,5-3			
Melting point / freezing point		not av	ailable		
Initial boiling point		not av	ailable		
Boiling range		not av	ailable		
Flash point	>	93	°C	(199,4 °F)	
Evaporation rate		not av	ailable		
Flammability		not av	ailable		
Lower explosive limit		not av	ailable		
Upper explosive limit		not av	ailable		
Vapour pressure		not av	ailable		
Vapour density		not av	ailable		
Relative density		1.08	g/cm3		
Solubility		solubl	e in water		
Partition coefficient: n-octanol/water		not av	ailable		
Auto-ignition temperature		not av	ailable		
Decomposition temperature		not av	ailable		
Viscosity		not av	ailable		
Explosive properties		not av	ailable		
Oxidising properties		not av	ailable		
9.2. Other information					

Information not available

10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

PHOSPHORIC ACID

Decomposes at temperatures above 200°C/392°F.

Reacts with: Strong alkalis. Risk of formation of a highly flammable gas (hydrogen) in case of contact with metals.



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10. Stability and reactivity ... / >>

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

PHOSPHORIC ACID

Risk of explosion on contact with: nitromethane. May react dangerously with: alkalis, sodium boron hydride.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5. Incompatible materials

PHOSPHORIC ACID

Incompatible with: metals,strong alkalis,aldehydes,organic sulphides,peroxides. Non-noble metals.

10.6. Hazardous decomposition products

PHOSPHORIC ACID May develop: phosphoryl oxides.

11. Toxicological information

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

PHOSPHORIC ACID LD50 (Oral): LD50 (Dermal): LC50 (Inhalation mists/powders):

1530 mg/kg Rat 2740 mg/kg Rabbit > 0.85 mg/l/1h Rat

SKIN CORROSION / IRRITATION

Corrosive for the skin Classification according to the experimental Ph value

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class



11. Toxicological information ... / >>

PHOSPHORIC ACID Not mutagenic. OECD 471/473/476

CARCINOGENICITY

Does not meet the classification criteria for this hazard class Carcinogenicity Assessment: 7631-86-9 AMORPHOUS SILICATE HYDRATE IARC:3

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility PHOSPHORIC ACID Fertility: NOAEL ≥ 500 mg/kg bw/day, rat, OECD 422

Adverse effects on development of the offspring PHOSPHORIC ACID Developmental Toxicity: NOAEL: ≥ 410 mg/kg bw, rat, OECD 422.

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

PHOSPHORIC ACID EC50 invertebrates, Method: OECD Test Guideline 202 EC50 plants, Method: OECD Test Guideline 201	
PHOSPHORIC ACID	
LC50 - for Fish	75.1 mg/l/96h Oryzias latipes
EC50 - for Crustacea	> 100 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Desmodesmus subspicatus
12.2. Persistence and degradability	
PHOSPHORIC ACID	
Solubility in water Degradability: information not available	> 850000 mg/l
12.3. Bioaccumulative potential	
Information not available	



12. Ecological information ... / >>

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Other adverse effects

Information not available

13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: UN 1805

14.2. UN proper shipping name

ADR / RID:	PHOSPHORIC ACID, SOLUTION
IMDG:	PHOSPHORIC ACID, SOLUTION
IATA:	PHOSPHORIC ACID, SOLUTION

14.3. Transport hazard class(es)

ADR / RID:	Class: 8	Label: 8	
IMDG:	Class: 8	Label: 8	
IATA:	Class: 8	Label: 8	

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ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID: NO IMDG: not marine pollutant IATA: NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 80 Special provision: -	Limited Quantities: 5 It	Tunnel restriction code: (E)
IMDG:	EMS: F-A, S-B	Limited Quantities: 5 It	
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 856
	Passengers:	Maximum quantity: 5 L	Packaging instructions: 852
	Special provision:	A3, A803	

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

EN



Information not relevant

15. Regulatory information

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

Substances subject to the Rotterdam Convention:

None

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Safety Data Sheet according to WHMIS 2015.

16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CLP: Regulation (EC) 1272/2008
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

GENERAL BIBLIOGRAPHY:

- GHS rev. 5
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

- Hazard Products Regulation (HPR)

- WHMIS 2015
- ONTARIO R.R.O. 1990, Regulation 883 (version July 2016)
- IARC website
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website



16. Other information ... / >>

- Cal/OSHA website

- California Safe Drinking Water and Toxic Enforcement Act

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Product classification derives from criteria established by the Canada's Hazardous Products Regulations (HPR) (WHMIS 2015), unless determined otherwise in Section 11 and 12. The data for evaluation of chemical-physical properties are reported in section 9.