

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023
Version: 2.2.0

SECTION 1: Identification

1.1. GHS Product identifier

Trade name: NP10

1.2. Recommended use of the chemical and restrictions on use

Recommended uses: pH-adjusting agent

1.3. Supplier's details

Supplier

Company: Mouldpro ApS
Address: Baltorpbakken 10
Zip code: 2750
City: Ballerup
Country: DENMARK
E-mail: sales@mouldpro.com
Phone: +45 70 20 31 31
Homepage: www.mouldpro.com

1.4. Emergency phone Number

+ 45 70 20 31 31 (Mouldpro) The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification: Skin corrosion, Category 1;H314
Serious eye damage, Category 1;H318
Specific target organ toxicity - single exposure, Category 3;H335

Most serious harmful effects: Causes severe skin burns and eye damage. May cause respiratory irritation.

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023
Version: 2.2.0

2.2. GHS label elements, including precautionary statements

Pictograms



Signal word: Danger

Contains

Substance: sodium carbonate; Trisodium orthophosphate;

Hazard Statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

P303+361+353+310 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Immediately call a POISON CENTER/doctor.

P305+351+338+310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

2.3. Other hazards which do not result in classification

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes
sodium carbonate	497-19-8 207-838-8 01-2119485498-19	60 -< 78 %	
Trisodium orthophosphate	7601-54-9 231-509-8 01-2119489800-32	20 -< 25.5 %	

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

Inhalation: Seek fresh air, wash out mouth with water and blow nose thoroughly. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. Call for medical attention/ambulance.

Skin contact: Immediately remove contaminated clothing, watch and jewellery. Wash the skin with water. Seek medical advice immediately.

Eye contact: Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

General: Bring the safety data sheet or label when seeking medical advice.

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023

Version: 2.2.0

4.2. Most important symptoms/effects, acute and delayed

Ingestion may cause caustic burning in mouth, esophagus and stomach. Pains in mouth, throat and stomach. Difficulty swallowing, feeling unwell and vomiting of blood. Brown spots and burns may appear in and around the mouth. Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight. Inhalation of dust may cause irritation to the upper airways. Has a caustic burning effect and causes burning pain, reddening, blistering and burning sores if it comes in contact with skin.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptoms. Ensure that medical personnel are aware of the material involved, and take precautions to protect themselves.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use a jet of water, as it may spread the fire.

5.2. Specific hazards arising from the chemical

Can generate harmful flue gases containing carbon monoxide in the event of fire.

5.3. Special protective actions for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapor and smoke gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Wear safety goggles. Wear gloves. Provide good ventilation.

For emergency responders: In addition to the above: Chemical protective suit is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and materials for containment and cleaning up

Do not sweep - use vacuum cleaner to collect spillage. Wipe up minor spills with a damp cloth. Caution! Causes burns. Rinse with water.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Work processes where generation of dust may occur must be performed under effective process ventilation (e.g. local exhaust ventilation). Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023
Version: 2.2.0

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, drugs, etc. Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging. Avoid direct sunlight. Store in a dry area.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: There are no official GHS occupational exposure limits. Be aware of possible national occupational exposure limits.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles/face protection.

Personal protective equipment, hand protection: Wear gloves. Type of material: Rubber. Breakthrough time has not been determined for the product. Change gloves often. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Personal protective equipment, respiratory protection: Light use (small volume, shortterm contact (below 10 min.)): Not required.
Medium use (medium volume, medium contact (1-2 hours)): Filter type: P.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Physical state	Powder
Color	White
Odour	Odourless
Solubility	Soluble in the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Lower and upper flammability limit	No data	
Lower and upper explosion limit	No data	
Flash Point	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	11.5	10 % Aqueous solution
pH (concentrate)	No data	
Kinematic viscosity	No data	

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023

Version: 2.2.0

Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	1,2 kg/l	
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
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Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid direct sunlight.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

SECTION 11: Toxicological information

11.1. Information on health hazard classes

Acute toxicity - oral

sodium carbonate, cas-no 497-19-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		4090 mg/kg			

Trisodium orthophosphate, cas-no 7601-54-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		4.8 mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Ingestion may cause discomfort.

Acute toxicity - dermal

sodium carbonate, cas-no 497-19-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse	LD50		117 mg/kg			

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023

Version: 2.2.0

Trisodium orthophosphate, cas-no 7601-54-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		2 mg/kg			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - inhalation

sodium carbonate, cas-no 497-19-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	2 h	2.3 mg/l			

Trisodium orthophosphate, cas-no 7601-54-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	1 h	2.16 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation: Has a caustic burning effect and causes burning pain, reddening, blistering and burning sores if it comes in contact with skin.

Serious eye damage/eye irritation: Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

Respiratory sensitization or skin sensitization: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: Inhalation of dust is irritating to the upper airways.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: Ingestion may cause caustic burning in mouth, esophagus and stomach. Pains in mouth, throat and stomach. Difficulty swallowing, feeling unwell and vomiting of blood. Brown spots and burns may appear in and around the mouth.

SECTION 12: Ecological information

12.1. Toxicity

sodium carbonate, cas-no 497-19-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Lepomis macrochirus		96hLC50	300 mg/l			
Crustacea	Ceriodaphnia dubia		48hEC50	200 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

12.2. Persistence and degradability

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023

Version: 2.2.0

sodium carbonate, cas-no 497-19-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Solubility in water	1000 - 10000 mg/l			

Trisodium orthophosphate, cas-no 7601-54-9

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Solubility in water	10000 mg/l			

The product contains at least one substance that is water soluble. May spread in the environment.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

The product affects the pH value of the local aquatic environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Avoid discharge to drain or surface water. Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Empty, cleansed packaging should be disposed of for recycling.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	3262	14.4. Packing group, if applicable:	III
14.2. UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Trisodium orthophosphate)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).
14.3. Transport hazard class(es):	8		
Hazard label(s):	8		
Hazard identification number:	80	Tunnel restriction code:	E

Inland water ways transport (ADN)

14.1. UN number:	3262	14.4. Packing group, if applicable:	III
14.2. UN proper shipping name:	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Trisodium orthophosphate)	14.5. Environmental hazards:	The product should not be labelled as an environmental hazard (symbol: fish and tree).

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023
Version: 2.2.0

14.3. Transport hazard class(es): 8

Hazard label(s): 8

Transport in tank vessels:

Sea transport (IMDG)

14.1. UN number: 3262

14.4. Packing group, if applicable: III

14.2. UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Trisodium orthophosphate)

14.5. Environmental hazards: The product is not a Marine Pollutant (MP).

14.3. Transport hazard class(es): 8

Environmental Hazardous Substance Name(s):

Hazard label(s): 8

EmS: F-A, S-B

IMDG Code segregation group: Segr. grp. 18 - Alkalis (SGG18)

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number: 3262

14.4. Packing group, if applicable: III

14.2. UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Trisodium orthophosphate)

14.5. Environmental hazards: The product should not be labelled as an environmental hazard (symbol: fish and tree).

14.3. Transport hazard class(es): 8

Hazard label(s): 8

14.6. Special precautions for user

None.

14.7. Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Special Provisions: None.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.2.0	8/29/2023	Bureau Veritas HSE / DOL	2,16

Abbreviations:
PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with GHS Rev. 9 (2021).

Safety Data Sheet

NP10

Replaces date: 1/25/2022

Revision date: 8/29/2023
Version: 2.2.0

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method: Calculation based on the hazards of the known components. Test data. Extreme pH value (≤ 2 or ≥ 11.5).

SDS is prepared by

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