

Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II,

Amended by COMMISSION REGULATION (EU) 2020/878,

According to REGULATION (EC) No 1272/2008

MONO AMMONIUM PHOSPHATE TECHNICAL GRADE RAW MATERIAL

Version 1.0

Issue date: 13-10-2024

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SOS Record Number: CSSS-TCO-010-152852

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: MONO AMMONIUM PHOSPHATE TECHNICAL GRADE RAW MATERIAL
Additional identification: Nanoform is NOT covered by this SOS.
Identification of the product: CAS# 7722-76-1; EC# 231-764-5
Index Number: Not available
REACH registration No.: Not available

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

Not available.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier: GROUPE HORTICOLE LEDOUX

Address: 785 RUE PAUL-LUSSIER, STE-HÉLÈNE-DE-BAGOT, QC, J0H1M0

Telephone 1-888-791-2223

1.4 Emergency telephone Number:

CANUTEC 1-888-226-8832

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the substance:

According to REGULATION (EC) No 1272/2008, based on available data, the classification criteria are not met:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
Not classified	N/A

2.2 Label elements :

Hazard pictogram(s): No hazard pictogram is used.
Signal word: No signal word is used.
Hazard statement(s): Not applicable.
Precautionary statement(s): Not applicable.
Supplemental Hazard information (EU) Not applicable.

2.3 Other hazards:

The substance is not PBT / vPvB.

The substance is not identified as having endocrine disrupting properties.

Section 3 Composition/information on ingredients

Substance/Mixture:

Substance

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
ammonium dihydrogenorthophosphate	N/A	7722-76-1	231-764-5	98.52%	N/A
water	N/A	7732-18-5	215-185-5	0.2%	N/A

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Assure fresh air breathing. If breathing is difficult, give oxygen . Seek medical advice.

4.1.2 In case of skin contact:

Wash skin thoroughly with mild soap and water. Remove contaminated clothing and shoes. Wash clothing before re-using.

4.1.3 In case of eyes contact:

Immediately rinse with clean water for 10-15 minutes. Seek medical advice.

4.1.4 In case of ingestion:

Give water to drink. Do not induce vomiting. Seek medical advice.

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

The product is not classified as harmful to human health effect.

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

If skin irritation or rash occurs, gel medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

Not available.

5.2 Special hazards arising from the substance or mixture

When heated to decomposition, emits toxic fumes.

5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Provide adequate ventilation. Wear impervious rubber safety shoes. Wear protective clothing and safety glasses. Keep public away from area. Refer to section 8 of SOS for personal protection details.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

- 6.2 Environmental Precautions:** Do not let large amount of product enter drains.
- 6.3 Methods and material for Containment and Cleaning up:** Sweep or shovel the dry product into suitable containers.
- 6.4 Reference to other sections:** See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Good hygienic practices should be observed. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Do not breathe dust. Ensure good ventilation/exhaustion at the workplace.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities: Store in dry, cool area.

7.3 Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEUMEL and PNEC-Values:

Workers - Hazard via inhalation route	Systemic effects-Long term exposure	DNEL=5.9 mg/m ³
Workers - Hazard via dermal route	Systemic effects-Long term exposure	DNEL=8.3 mg/kg bw/day
General Population - Hazard via inhalation route	Systemic effects-Long term exposure	DNEL=1.45 mg/m ³
General Population - Hazard via dermal route	Systemic effects-Long term exposure	DNEL=4.17 mg/kg bw/day
General Population - Hazard via oral route	Systemic effects-Long term exposure	DNEL=0.42 mg/kg bw/day
Hazard for aquatic organisms	STP	PNEC=10 mg/L

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses.

Skin protection

Hand protection: Use rubber gloves.

Body protection: Wear protective suits.

Respiratory protection: Approved dust mask should be used if dust are generated when handling this material.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Solid
Colour:	White
Odour:	Odorless
Odour threshold:	Not available
pH:	Not available
Melting point (°C):	197 °C
Boiling point (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower explosive limits:	Not available
Vapour pressure (20°C):	< 0.001 Pa(20 °C)
Vapour density:	Not available
Relative Density:	1.81 (20 °C)
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Very soluble in water
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	H6NO4P
Molecular Weight:	115.03

9.2. Other information:

Fat solubility(solvent-oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	9.25 (25°C)
Oxidation-reduction Potential:	Not available

10 Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials. Moisture, high temperatures.
10.5 Incompatible materials:	Magnesium. Strong acids, bases.
10.6 Hazardous decomposition products:	Toxic fumes: Ammonia.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:

LD50(Oral, Rat): > 2 000 mg/kg bw

LC50(1nhalation, Rat):	> 5 mg/L.4h
LD50(Dermal, Rat):	> 5 000 mg/kg bw
Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

11.2 Information on other hazards

Endocrine disrupting properties:	The substance is not identified as having endocrine disrupting properties.
Other information:	Not applicable

Section 12 Ecologic information

12.1 Toxicity:

Acute (short-term) toxicity:

LC50(96h, Fish):	> 100 mg/L
EC50(48h, Crustacea):	> 100 mg/L
EC50(72h, Algae/aquatic plants):	> 100 mg/L

Chronic (long-term) toxicity:

NOEC(Fish):	Not available.
NOEC(Crustacea):	Not available.
NOEC(Algae/aquatic plants):	100 mg/L

12.2 Persistence and degradability:

Not available.

12.3 Bioaccumulative potential:

Not available.

12.4 Mobility in soil:

Not available.

12.5 Results of PBT and vPvB

The substance is not PBT / vPvB.

assessment:

12.6 Endocrine disrupting properties:

The substance is not identified as having endocrine disrupting properties.

12.7 Other adverse effects:

Not available.

12.8 Additional information

Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:

Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

Section 14 Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated

14.2 UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	Not regulated	Not regulated	Not regulated	Not regulated

Section 15 Regulatory information

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

Relevant information regarding authorization: Not applicable.
 Relevant information regarding restriction: Not applicable.
 Other EU regulations : Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
 Other National regulations: Not applicable

15.2 Chemical safety assessment

YES [==:J NO OEJ

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2020/878

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 RIO: Regulation for rail International transportation of Dangerous goods
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 IMDG: Code international maritime dangerous goods code
 ICAO: International Civil Aviation Organization
 IATA: International Air Transport Association
 LCS0: median lethal concentration
 ECS0: The effective concentration of substance that causes 50% of the maximum response.
 NOEC: No Observed Effect Concentration
 DNEL: derived no-effect level
 PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Training instructions:

Not applicable.

16.5 Further information:

This information is based upon the present state of our knowledge. This SOS has been compiled and is solely intended for this product.

16.6 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in

combination with any other product or process, is the responsibility of the user.



**GROUPE HORTICOLE LEDOUX
785 RUE PAUL-LUSSIER
SAINTE-HÉLÈNE-DE-BAGOT, QC, J0H 1M0
1-888-791-2223
BOUTIQUEPRO.GHLINC.COM**