

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Canadian WHMIS 2015

Revision date 18-Dec-2019 Revision Number 10

1. Identification

Product identifier

Product Name MAP

Other means of identification

Product Code(s) 3034-1

Chemical name Phosphoric Acid, Monoammonium Salt

Synonyms Nova MAP

Ammonium dihydrogen phosphate Monoammonium phosphate

Recommended use of the chemical and restrictions on use

Recommended use Fertilizer

Binder

Laboratory chemicals
Food additive
Feed additives
Processing aid
Cosmetic additive
Industrial intermediate
Flame retardant

Restrictions on use

No information available

Details of the supplier of the safety data sheet

Initial Supplier Identifier

ICL

622 Emerson Road - Suite 500 St. Louis, Missouri 63141, USA Tel:(314)983-7884 Fax:(314)983-7607 e-mail:msdsinfo@icl-group.com

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

Medical: PROSAR 1-888-875-1685 (24HRS)

2. Hazard(s) identification

Classification

Not classified

Label elements

Hazard statements

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Not classified.

Other information

No information available

3. Composition/information on ingredients

Substance

Chemical name	CAS No.	Weight-%
Ammonium Phospate Anhydrous	7722-76-1	100

4. First-aid measures

Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

physician.

Ingestion If swallowed, wash mouth thoroughly with plenty of water. Get medical attention

immediately.

NOTE: Never give an unconscious person anything to drink

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physiciansTreat symptomatically and supportively.

5. Fire-fighting measures

surrounding environment.

Specific hazards arising from the

chemical

May emit toxic fumes under fire conditions.

Hazardous combustion products NOx. Ammonia. Phosphorus oxides.

Explosion data

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear.

6. Accidental release measures

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Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Avoid generation of dust.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Environmental precautions Should not be released into the environment. See Section 12 for additional Ecological

Information.

Reference to other sections See section 8 for more information. See section 13 for more information.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid generation of

dust. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place

away from incompatible materials (see Section 10).

8. Exposure controls/personal protection

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

Chemical name	Alberta	British Columbia	Ontario	Quebec
Ammonium Phospate	-	-	-	-
Anhydrous				
7722-76-1				

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Chemical safety goggles.

Hand protection Protective gloves

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required. In case of

insufficient ventilation, wear suitable respiratory equipment.

Skin and body protection Wear suitable protective clothing.

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General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands thoroughly after handling and before eating or smoking. Safety shower and eye bath should be provided.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Solid **Appearance** crystalline Powder

Color white Odor None

Odor threshold Not determined

Property Values Remarks • Method

pН 4.5

Melting point / freezing point 197°C

Boiling point / boiling range Not Applicable . None known Flash point no data available None known

Evaporation rate no data available

Flammability (solid, gas) Not flammable . None known Flammability Limit in Air None known

Upper flammability or explosive no data available

limits

Lower flammability or explosive no data available

limits

0.00147Pa (20°C) Vapor pressure Vapor density Not determined

Relative density 1.81 g/cm³ None known

Water solubility 370 g/l @ 25°C

Solubility in other solvents Practically not soluble

@ 25 °C

None known **Partition coefficient** no data available

. Not self-ignitable **Autoignition temperature**

Decomposition temperature >197 °C

Kinematic viscosity no data available None known

Dynamic viscosity no data available

Other information

Oxidizing properties The structure indicates non oxidizing properties **Explosive properties** Product does not present an explosion hazard

Bulk density 1100 kg/m³

10. Stability and reactivity

Stable under normal conditions. Reactivity

Chemical stability Stable under normal conditions.

Possibility of Hazardous Reactions Reacts with strong acids and alkali, Reacts with alkalis releasing ammonia, Reacts with

oxidizing agents.

Conditions to avoid To avoid thermal decomposition, do not overheat.

Incompatible materials Oxidizing agents, acids and alkalis. Copper and copper alloys. Sodium hypochlorite.

Hazardous decomposition products NOx. Ammonia. Phosphorus oxides.

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11. Toxicological information

Information on likely routes of exposure

Product Information

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

Component information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	
Ammonium Phospate Anhydrous	>2000 mg/kg (Rat)	>5000 mg/kg (Rat)	>5 mg/L (Rat) 4h (read-across)	
7722-76-1				

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

Skin corrosion/irritationBased on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Not a skin sensitizer.

Germ cell mutagenicity Based on available data, the classification criteria are not met

 Carcinogenicity
 The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical name	ACGIH	IARC	NTP	US OSHA
Ammonium Phospate	-	-	-	-
Anhydrous				
7722-76-1				

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposureBased on available data, the classification criteria are not met.

Aspiration hazard Not expected.

12. Ecological information

Ecotoxicity . Not considered to be harmful to aquatic life.

Component information

	Chemical name	Algae/aquatic plants	Fish	Crustacea	Toxicity to
					microorganisms
Ī	Ammonium Phospate	EC50: >100 mg/l (72h,	LC50: >85,9 mg/l (96h,	LC50: 1790 mg/l (72h,	EC50: >100 mg/l (3h,
١	Anhydrous	Pseudokirchneriella	Rainbow trout)	Daphnia carinata,	Activated sludge,
1	7722-76-1	subcapitata, read-across)		read-across)	read-across)

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Persistence and degradability Biodegradation is not relevant for inorganic salts.

Bioaccumulation Bioaccumulation is not likely to occur since this material is highly soluble in water.

Component information

Chemical name	Partition coefficient
Ammonium Phospate Anhydrous 7722-76-1	<0.000011 mmHg

Mobility Not expected to adsorb on soil.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations.

Contaminated packagingDispose of contents/containers in accordance with local regulations.

14. Transport information

IMDG Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the

IBC Code

Not relevant

DOT Not regulated

Not regulated

15. Regulatory information

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

Canada - Significant New Activity Notices Not Applicable

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not Applicable

The Stockholm Convention on Persistent Organic Pollutants Not Applicable

The Rotterdam Convention Not Applicable

International Inventories

GHS hazardous component CAS registry numbers appearing in section 3 may differ from substances appearing in section 15 due to country or regional chemical inventory coverage requirements, however, remain in compliance with the inventory

TSCA Listed or exempted
DSL Listed or exempted
ENCS Listed or exempted
IECSC Listed or exempted

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KECL Listed or exempted Listed or exempted **PICCS** Listed or exempted **AICS NZIoC** Listed or exempted **TCSI** Listed or exempted NCI Listed or exempted **TECI** Listed or exempted Listed or exempted **NSQ**

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

TCSI - Taiwan Chemical Substance Inventory

NCI - Vietnam National Chemicals Inventory

TECI - Thailand Inventory FDA Existing Chemicals

NSQ - Mexico National Inventory of Chemical Substances

16. Other information

NFPA Health hazards 0 Flammability 0 Instability 0 Physical and chemical properties -

HMIS Health hazards 0 Flammability 0 Physical hazards 0 Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value * Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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Revision Note

The symbol (*) in the margin of this SDS indicates that this line has been revised.

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, we make no representations as to the completeness or accuracy thereof. Information is supplied to you upon the condition that the persons receiving the information will make their own determination as to its safety and suitability for their purposes prior to use. In no event will we be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information. In addition, we shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

End of Safety Data Sheet

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