

SAFETY DATA SHEET



Ammonium phosphate monobasic

09717-250G

Version 1.3

Issuing date 12/18/2016

Revision Date 11/03/2022

Print Date 05/29/2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Ammonium phosphate monobasic

Number : 000000020259

Recommended use of the chemical and restrictions on use : Laboratory chemicals

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH
Wunstorfer Straße 40
Seelze, 30926
Germany

For further information, please contact: : 1-800-368-0050
+1-231-726-3171
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
In Japan: +(81)-345209637

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

GHS Label elements, including precautionary statements

Precautionary statements : **Prevention:**
Use personal protective equipment as required.

Other hazards which do not result in classification : Repeated or prolonged exposure may irritate eyes, skin and respiratory system.

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Formula : H₆NO₄P

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
Ammonium dihydrogenorthophosphate	7722-76-1	100.00 %
Ammonium dihydrogenorthophosphate		

Note: none

4. FIRST AID MEASURES

- General advice : First aider needs to protect himself.
Move out of dangerous area.
Take off all contaminated clothing immediately.
- Inhalation : If inhaled, remove to fresh air.
Call a physician if irritation develops or persists.
- Skin contact : After contact with skin, wash immediately with plenty of water.
Call a physician if irritation develops or persists.
- Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : Rinse mouth with water.
Call a physician immediately.
- Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder
- Specific hazards during firefighting : Fire may cause evolution of:
Ammonia
Nitrogen oxides (NO_x)
Oxides of phosphorus

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Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.
Wear personal protective equipment. Unprotected persons must be kept away.
Avoid breathing dust.

Environmental precautions : Should not be released into the environment.

Methods and materials for containment and cleaning up : Use mechanical handling equipment.
Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling : Wear personal protective equipment.
Use only in well-ventilated areas.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Conditions for safe storage, including any incompatibilities : Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Use with local exhaust ventilation.

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Individual protection measures, such as personal protective equipment

Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	: Latex gloves Gloves must be inspected prior to use. Replace when worn.
Eye protection	: Safety glasses with side-shields
Skin and body protection	: Protective suit
Hygiene measures	: Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday. When using do not eat or drink.
Protective measures	: Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment. Avoid breathing dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Colour	: colourless
Odour	: odourless
Odour Threshold	: Note: No data available
pH	: 3.8 - 4.4 at 50.00 g/l, 25 °C
Melting point/range	: 190 °C : > 197 °C Method: OECD Test Guideline 103 Note: Decomposition

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Flash point	: Note: Not applicable
Evaporation rate	: Note: No data available
Lower explosion limit	: Note: Not applicable
Upper explosion limit	: Note: Not applicable
Vapour pressure	: < 0.00001 hPa at 20 °C(68 °F) Method: OECD Test Guideline 104
Vapour density	: Note: No data available
Density	: 1.803 g/cm ³ at 20 °C Method: OECD Test Guideline 109
Water solubility	: Note: soluble
Partition coefficient: n-octanol/water	: Note: No data available
Ignition temperature	: Note: Not applicable
Decomposition temperature	: 200 °C Note: Decomposition temperature
Viscosity, dynamic	: Note: No data available
Viscosity, kinematic	: Note: No data available
Oxidizing properties	: Note: The product was tested by the CA and does not fulfill criteria for "oxidizing solids" according to EG 1272/2008 (CLP-/GHS regulation)
Molecular weight	: 115.03 g/mol
Bulk density	: 1,000 kg/m ³

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10. STABILITY AND REACTIVITY

Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: No information available.
Incompatible materials to avoid	: Strong acids Strong oxidizing agents
Hazardous decomposition products	: Ammonia nitrogen oxides Oxides of phosphorus

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation, Eye contact, Skin contact, Ingestion
Acute oral toxicity	: LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 425 Note: No deaths
Acute inhalation toxicity	: LC50: > 5 mg/l , dust/mist Exposure time: 4 h Species: Rat Method: OECD Test Guideline 403 Test substance: REACH dossier "read-across" Note: No deaths
Acute dermal toxicity	: LD50: > 5,000 mg/kg Species: Rat Method: OECD Test Guideline 402
Skin corrosion/irritation	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Result: slight irritation

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Method: OECD Test Guideline 405

Note: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation	: Mouse local lymph node assay Result: Does not cause skin sensitisation. Test substance: REACH dossier "read-across" Method: OECD Test Guideline 429
Germ cell mutagenicity	: Note: Not classified due to data which are conclusive although insufficient for classification.
Carcinogenicity	: Note: Not classified due to data which are conclusive although insufficient for classification.
Reproductive toxicity	: Note: Not classified due to data which are conclusive although insufficient for classification.
Aspiration toxicity	: Not applicable

12. ECOLOGICAL INFORMATION

Aquatic and ecotoxicity

Toxicity to fish	: static test LC50: > 85.9 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) Test substance: REACH dossier "read-across" Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: LC50: 1,790 mg/l Exposure time: 72 h Species: Daphnia (water flea) Test substance: REACH dossier "read-across"
Toxicity to algae	: Growth rate EC50: > 97.1 mg/l Exposure time: 72 h

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Species: Pseudokirchneriella subcapitata (green algae)
Test substance: REACH dossier "read-across"
Method: OECD Test Guideline 201

: Biomass
EC50: > 97.1 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae)
Test substance: REACH dossier "read-across"
Method: OECD Test Guideline 201

Persistence and degradability

Biodegradability : Note: The methods for determining biodegradability are not applicable to inorganic substances.

Ecotoxicology Assessment

Results of PBT assessment
Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal methods : In accordance with local and national regulations.

14. TRANSPORT INFORMATION

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

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RID

Not dangerous goods

15. REGULATORY INFORMATION

National regulatory information

Fire Service Law : Not relevant

Poisonous and Deleterious
Substances Control Law : Not relevant

Other international regulations

Notification status

US. Toxic Substances
Control Act : On TSCA Inventory

Australia. Inventory of
Industrial Chemicals (AIIC),
as amended : On the inventory, or in compliance with the inventory

Canada. Canadian
Environmental Protection Act
(CEPA). Domestic
Substances List (DSL) : All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals
Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. Inventory of
Chemicals and Chemical
Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing
Chemical Substances
(IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of
Chemicals (NZIoC), as : On the inventory, or in compliance with the inventory

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Taiwan Chemical Substance Inventory (TCSI) : On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1	1
Flammability	: 0	0
Physical Hazard	: 0	
Instability	:	0

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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