MATERIAL SAFETY DATA SHEET

Email: sales@clearsynth.com , info@clearsynth.com

SECTION-1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : Ammonium dihydrogen phosphate

Catalogue Number : CS-CE-00880

Company Identification : Clearsynth Labs Ltd.
17, Lotus Business Park,
New Link Road, Andheri (W),
Mumbai-400053, INDIA

For Emergency Call : +91-22-245045900

Recommended Use : Laboratory Chemicals and Manufacture of substances

SECTION-2: HAZARDS IDENTIFICATION

GHS Hazards Classification

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008

GHS Label Elements And Hazards Statements

No data available.

Hazard Statement(s)

No data available.

GHS Precautionary Statements

No data available.

Hazards Not Otherwise Classified (HNOC) or Not Covered by GHS

No data available.

SECTION-3: COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : monoammonium phosphate

CAS Number : 7722-76-1

Molecular Formula : H_6NO_4P

Molecular weight : 115.03 (g / mol)

SECTION-4: FIRST AID MEASURES

Description of First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
If Inhaled: If breathed in,move person into fresh air.If not breathing,give artificial respiration.Consult a physician.
In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed: Never give anything by mouth to an unconscious person.Rinse mouth with water.Consult a physician.

SECTION-5: FIRE FIGHTING MEASURES

Chemical Hazards From Arising From Substance Fire

During a fire,irritating & highly toxic gases may be generated by thermal decomposition or combustion.

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Advice For Firefighters

Wear self-contained breathing appratus & full protective gear to prevent contact with skin & eyes.

SECTION-6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment And Emergency Procedures

Use personal protective equipment as indicated in Section 8. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions

Do not let product enter drains or water sources.

Cleaning up of Spills/Leaks

Vacuum or sweep up material and place into suitable disposal container without creating dust.

SECTION-7: HANDLING AND STORAGE

Precautions For Safe Handling

Avoid contact with eyes, skin and clothing.

Avoid ingestion and inhalation.

Keep away from sources of ignition.

Storage

Keep container tightly closed.

Store at ambient (22-25°C) for long term storage

SECTION-8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal Protective Equipment

Eyes: Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions.

SECTION-9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	solid
Color	:	colorless
Odor	:	odorless
pH	:	3,8 - 4,4 at 50 g/l at 25 °C
Vapour Pressure	:	< 0,001 hPa at 20 °C - OECD Test Guideline 104
Viscosity	:	No data available
Boiling Point	:	No data available
Melting Point	:	197 °C at 1.013,25 hPa
Auto Ignition Temperature	:	No data available
Flash Point	:	Not applicable
Explosion Limit, Lower	:	No data available
Explosion Limit, Upper	:	No data available
Decomposition Temperature	:	No data available
Loss on Drying	:	No data available
Specific Gravity / Density	:	1,81 g/cm3 at 20 °C - OECD Test Guideline 109
Solubility	:	NULL

SECTION-10: STABILITY AND REACTIVITY

Chemical Stability : Stable under recommended storage conditions.

Condition to Avoid : No data available.

Incompatibilities with Other Materials : Strong oxidizing agents, strong bases.

Hazardas Decomposition Products : No data available.

Hazardas Polymerization : No data available.

SECTION-11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity :
LD50 Oral - Rat - male and female - > 2.000 mg/kg
(OECD Test Guideline 425)
LC50 Inhalation - Rat - male and female - 4 h - > 5 mg/l - dust/mist
(OECD Test Guideline 403)
LD50 Dermal - Rat - male and female - > 5.000 mg/kg
(OECD Test Guideline 402)

Skin Irritation/Corrosion :
Skin - Rabbit
Remarks: (in analogy to similar products)
Result: Rabbit
Test Type: Skin irritation - 24 h
The value is given in analogy to the following substances: diammonium hydrogenphosphate

Eye Damage/Irritation :
Result: Rabbit
Test Type: Eye irritation
Remarks: (in analogy to similar products)
The value is given in analogy to the following substances: diammonium hydrogenphosphate

Respiratory or Skin Sensitization :
Test Type: Local lymph node assay (LLNA) - Mouse
Result: negative
(OECD Test Guideline 429)
Method: OECD Test Guideline 406
Remarks: No data available

Germ Cell Mutagenicity :
Test Type: Mammalian cell gene mutation test
Result: negative
(OECD Test Guideline 476)
Test system: Mouse lymphoma cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
Test Type : Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result : negative
(OECD Test Guideline 202)
Test Type: Chromosome aberration test in vitro
Test system: Chinese hamster lung cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative

Carcinogenicity :
No data available

Reproductive Toxicity :
No data available

Special Remark on Other :
No data available

Toxic Effects on Humans :
No data available

Routes of Exposure :
No data available

Oncorhynchus mykiss (rainbow trout) - > 100 mg/l- 96 h
(OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - >100 mg/l - 48 h
Test Type: Chronic toxicity to algae
Test system: Chlorella vulgaris (green algae) - >100 mg/l - 72 h
(OECD Test Guideline 201)
Result: negative
Toxicity to bacteria static test EC50 - activated sludge - > 100 mg/l - 3 h

SECTION-12: ECOLOGICAL INFORMATION

No data available.

SECTION-13: DISPOSAL CONSIDERATION

Dispose in a manner consitent with country, state and local regulations. product is not to be disposed of in sanitary sewers,storm sewers or landfills.Contact a licensed professional waste disposal service to dispose of this

SECTION-14: TRANSPORT INFORMATION

UN Number :

DOT (US)	: N/A
IATA	: N/A
IMDG	: N/A
ADR/RID	: N/A

UN Proper Shipping Name :

DOT (US) / IATA	: Not dangerous goods
IMDG / ADR / RID	: Not dangerous goods

Transport Hazard Class (es) :

DOT (US)	: N/A
IATA	: N/A
IMDG	: N/A
ADR/RID	: N/A

Packing Group :

DOT (US)	: N/A
IATA	: N/A
IMDG	: N/A
ADR/RID	: N/A

Environmental Hazards :

DOT (US)	: None
IATA	: None
IMDG	: None
ADR/RID	:

SECTION-15: REGULATORY INFORMATION

This safety data sheet complies with the requirements OHSAS 18001:2007

SECTION-16: ADDITIONAL INFORMATION

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages. Howsoever arising, even if the company has been advised of the possibility of such damages.