



JUNSEI

Material safety data sheet

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Catalog Numbers: 84075

Catalog Name: Ammonium phosphate trihydrate

Company Identification:

Junsei Chemical Co., Ltd.

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Web: <http://www.junsei.co.jp/>

CREATION DATE: July 8, 2011

SECTION 2 HAZARDS IDENTIFICATION

Adverse human health : May irritate to skin, eyes. If inhaled dust, nose, throat, or trachea are hazards irritated.

Environmental effects : Not available

Physical and Chemical hazards : Decomposes on heat and does not have particular physical and chemical hazards.

Class name of hazardous chemicals for SDS in Japan : Not applicable

SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS

Substance/Mixture : Substance

Chemical name or commercial name : Ammonium phosphate trihydrate

Ingredients and composition : tri-Ammonium phosphate trihydrate

Chemical formula : $(\text{NH}_4)_3\text{P}_04 \cdot 3\text{H}_2\text{O}$

CAS No. : 10361-65-6

TSCA Inventory : Registered

EINECS No. : 233-793-9

SECTION 4 FIRST AID MEASURES

Inhalation : Remove the victim to fresh air, and make him blow his nose and gargle.

Skin contact : Wash the affected areas under running water.

Eye contact : Wash the affected areas under running water.

Ingestion : Give the victim water or salt water and induce vomiting. If necessary, get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media : Water, dry chemical powder, carbon dioxide, dry sand, foam
Prohibited extinguishing media : None
Particular fire fighting : Move containers from fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect surrounding
Protection for firefighters : Firefighters should wear protective equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Cautions for personnel : Wear proper equipment and avoid contact with skin and inhalation of dust. Keep away personnel except for authorized ones from spillage area by stretching ropes.
Cautions for environment : Attention should be given not to cause damage to the environment by flowing of spillage to rivers. In case of the dilution of copious water, do not cause damage to the environment by untreated wastewater.
Removal measure : Sweep up the chemical and place in a chemical waste container.

SECTION 7 HANDLING AND STORAGE

Handling

Engineering measures : If necessary, wear proper protective equipment not to contact with skin or inhale the dust.

Cautions for safety handling : Handle the chemical not to generate aerosol or dust.

Storage

Adequate storage condition : Store in a dark, cool place and tightly closed.

Safety adequate container materials : Glass , polyethylene , polypropylene

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering measures : Use only with adequate ventilation and in closed systems.

Control parameters : Not established

Protective equipment

Respiration protective equipment : If necessary, wear dust mask

Hands protective equipment : Impervious protective gloves

Eyes protective equipment : Safety goggles

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Crystal or crystalline powder
Color :	White
Odor:	Ammonia like odor
pH:	Not available.
Boiling Point:	Decomposition
Freezing/Melting Point:	Decomposition
Solubility in water:	Water ; Soluble

SECTION 10 STABILITY AND REACTIVITY

Stability ; Emits ammonia gradually at room temperature.
Reactivity : May react with oxidizing substances.
Incompatible conditions : Light, heat
Hazardous decomposition products
: Nitrogen oxide, Ammonia gas

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity : If swallowed, cause nausea, vomiting, abdominal pain.
Local effect :
Irritation to skin, eyes : If contacted with eyes, eyes are irritated.
Allergenic and sensitizing effects: Not available
Chronic and long term toxicity: Not available
Carcinogenic effects : Listed on neither IARC nor NTP.
Mutagenicity : Not available
Teratogenic effects : Not available
Effects on the reproductive system: Not available

SECTION 12 ECOLOGICAL INFORMATION

Rediualbility and degradability : Not available
Ecorediualbility : Not available
Ecotoxicity
Fish toxicty : (as di-Ammonium hydrogen phosphate)
LD50/96H:more than 100-1000mg/1

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

UN class: Not applicable

SECTION 15 REGULATORY INFORMATION

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

SECTION 16 OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. 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. It does not represent any guarantee of the properties of the product.
Junsei Chemical Co.,Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms

and conditions of sale.