

HP-Starch

Material Safety Data Sheet (MSDS)

1. Product Identification

Product Name: HP-Starch
INCI Name: hydroxypropyl starch phosphate
Chemistry: modified starch
CAS Number: 28-030A
EINECS Number: not available

2. Physical & Chemical Properties

Melting Point: not applicable
Boiling Point: not applicable
Non-Volatiles: 6 – 10%
Viscosity: not applicable
Specific Gravity: 1.5
Solubility in water: soluble
Refractive Index: not determined
Appearance & Odor: white power with starch odor

3. Stability & Reactivity

Chemical Stability: Stable
Incompatibility: no hazardous reactions with proper storage and handling
Thermal Decomposition: not applicable
Hazardous Polymerization: not applicable

4. Handling & Storage

Storage Temperature: Ambient
Sensitivity to Static Electricity: Yes
Sensitivity to Mechanical Impact: No
Other Precautions: Use care to minimize dust generation in normal use conditions. Avoid dispersing the powder in the air. Prevent buildup of powder on surfaces.

5. Accidental Release Measures

Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

6. Exposure Controls & Personal Protection

Respiratory Protection: General ventilation with NIOSH approved dust mask.
Protective Clothing: Chemically resistant gloves, safety glasses with side shields, and uniforms, coveralls, or a lab coat should be worn.
Other Protective Measures: Remove contaminated clothing and launder before reuse. Wash before eating, drinking, or using toilet facilities.

7. Hazards Identification

General: Possible physical irritant from dust particles. Potential for dust explosion.
Inhalation: This material can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m³.
Eye Contact: Particulates may scratch eyes surfaces and cause mechanical irritation.
Skin Contact: non irritant.
Ingestion: Unlikely to be hazardous if swallowed.
Primary Route of Entry: Eye contact, skin contact, inhalation, ingestion.

8. First Aid Measures

Eyes: Remove particles by irrigation with eye wash solution or clean water, holding eyelids apart. If symptoms develop, obtain medical attention.
Skin: Wash exposed areas of the body with soap and water.
Inhalation: Remove to fresh air. Get medical attention if irritation persists.
Ingestion: Treat symptomatically and supportively. Get medical attention.

9. Fire Fighting Measures

Flash Point: Not applicable
Extinguishing Media: Dry Chemical: CO₂; Water Fog; Foam
Fire Fighting Procedures: No special procedures are required.

10. Toxicological Information

General: This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended.
Acute oral LD50: no data available
Carcinogenicity: There is no evidence this material poses a carcinogenic risk under normal conditions of handling and use.

11. Disposal Consideration

Waste Disposal Methods: Disposal should be in accordance with local, state or national legislation.
Empty Containers: Empty containers may contain product residue, follow MSDS and label warnings even after they have been emptied.

12. Transport Information

DOT Shipping Name: not regulated
ADR/RIC Code: not regulated
Sea Transport IMDG Code: not regulated
Air Transport IATA: not regulated

13. Disclaimer

This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.