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MATERIAL SAFETY DATA SHEET CATALOG #2179
SODIUM PHOSPHATE, MONOBASIC

PRODUCT INFORMATION

TRADE/CHEMICAL NAME: Sodium Phosphate
CAS NUMBER: 10049-21-5 (Hydrate); 7558-80-7 (Anhydrous)
MOLECULAR WEIGHT: 137.99

HAZARDS IDENTIFICATION

INHALATION: Inhalation of dust may cause mild irritation to the mucous membranes of respiratory tract.
SKIN CONTACT: May cause mild irritation.
EYE CONTACT: May cause mild irritation.
INGESTION: May cause mild irritation and redness to the G.I. tract.
EFFECTS OF REPEATED OVEREXPOSURE: No information found.

FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
SKIN EXPOSURE: Remove contaminated clothing and shoes. Immediately wash exposed area with large quantities of mild soap and water. Get medical attention.
EYE EXPOSURE: Immediately flush eyes with plenty of water for at least 15-20 minutes, holding eyelids apart. Get medical attention immediately.
INGESTION: Give at least three glasses of water. Do not induce vomiting. Seek immediate medical attention.
NOTES TO PHYSICIAN: Due to the potential for organ perforation, careful gastric lavage is necessary. There is no specific antidote, and treatment is dictated by the symptoms and the clinical condition of the patient.

FIRE FIGHTING MEASURES

Not considered to be a fire or explosion hazard.
EXTINGUISHING MEDIA: Use any means suitable for extinguishing fire.
SPECIAL FIREFIGHTING PROCEDURES: Wear OSHA/MSHA approved self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE & EXPLOSION HAZARDS: None.

ACCIDENTAL RELEASE MEASURES

GENERAL: Ventilate area of leak or spill. Clean up personnel may require respiratory protection from dust. Sweep up an containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Wear suitable protective equipment.

HANDLING AND STORAGE

HANDLING: Protect containers from physical damage and regularly inspect them for cracks, leaks, or faulty valves. Wear appropriate NIOSH approved respirator when exposure to dust is apparent. Wear protective gloves, safety goggles, and other protective clothing. A safety shower and eye bath should be accessible. This product should be handled in covered equipment in which case general (mechanical) room ventilation is adequate. Local ventilation is needed at points where vapors can be expected to escape to the air.
STORAGE: Store in a cool, dry place. Keep container closed when not in use.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White crystalline powder
ODOR:	None.
BOILING POINT:	Decomposes @ 204° C
SPECIFIC GRAVITY:	2.04
VAPOR DENSITY (relative to air):	N/A
VAPOR PRESSURE (mm Hg):	N/A
SOLUBILITY IN WATER (% weight):	59.9g/100g @ 0° C (32° F)
EVAPORATION RATE:	N/A

WASTE DISPOSAL

WASTE DISPOSAL: Whatever cannot be saved for reclamation may be delivered to an approved waste disposal facility. Small amounts of residue may be flushed to sewer with plenty of water. Ensure compliance with local, state, and federal regulations.

STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, can emit highly toxic fumes of phosphorous oxides.

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