



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET R-400 ACID STARCH POWDER

Protection Required



SECTION 1 - MATERIAL IDENTIFICATION AND USE

Manufacturer's Name : PMC Water Systems Services Inc.
Manufacturer's Address : 124 Connie Crescent, Unit 9, Concord, ON L4K 1L7
Manufacturer's Phone # : (905) 669-8262
24 Emergency Phone # : Canutec (613) 996-6666
Product Identifier : R-400 Acid Starch Powder
Product Use : Test reagent

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Sulphamic Acid	60 - 100%	5329-14-6	3160 mg/kg (oral – rat)	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statements Causes serious eye irritation. Causes skin irritation.
Precautionary Statements Wash skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.

SECTION 4 – FIRST AID MEASURES

Eye Contact Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Get medical attention if irritation develops and persists.
Skin Contact Wash affected area with soap and water. Get medical attention if symptoms develop or persist.
Inhalation Loosen clothing as necessary and position individual in a comfortable position. Maintain an unobstructed airway. Move victim to fresh air.
Ingestion Rinse mouth thoroughly. Never give anything by mouth to an unconscious or convulsing person. Get medical attention if irritation, discomfort or vomiting persist.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability Not flammable
Flash Point Not Available
Extinguishing Media Use extinguishing measures appropriate to local circumstances and surrounding environment.
Specific Hazards Thermal decomposition can lead to release of irritation gases and vapours.
Explosion Data Not expected to be sensitive to mechanical impact or static discharge.
Hazardous Combustion Products Not Available
NFPA Ratings Health 3, Flammability 0, Instability 0
HMS Ratings Health 3, Flammability 0, Reactivity 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Wear protective eye wear, gloves and clothing. Avoid dust formation.
Spill Response/Cleanup	Sweep up and shovel into suitable containers for disposal. Prevent from reaching drains, sewer or waterway. Dispose of in accordance with all applicable national environmental laws and regulations.

SECTION 7 – HANDLING AND STORAGE

Handling	Do not eat, drink, smoke or use personal products when handling chemical substances. Avoid breathing mist or vapour. Provide appropriate exhaust ventilation at places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment if release of airborne dust is expected.
Storage Requirements	Keep in a cool, dry well-ventilated area.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation	Good general ventilation should be sufficient for most conditions.
Respiratory Protection	In case of inadequate ventilation, wear respiratory protection.
Skin Protection	Wear suitable protective clothing; protective gloves and shoes or boots.
Eye/Face Protection	Safety glasses with side shields.
Other Comments	Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Solid
Odour and Appearance	: Odourless; white crystalline powder
Odour Threshold	: Not Applicable
Specific Gravity (Water = 1)	: 1.4
Vapour Pressure (mmHg)	: Not Available
Vapour Density (Air = 1)	: Not Applicable
Evaporation Rate	: Not Applicable
Boiling Point	: Not Applicable
Freezing/Melting Point	: Decomposes at 205°C
pH	: Not available
Solubility in Water	: Slightly soluble

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable and non-reactive under normal conditions of use, storage and transport.
Conditions for Chemical Instability	None known
Incompatible Materials	None known
Hazardous Decomposition Products	None known
Hazardous Polymerization	Hazardous polymerization does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin Contact	: Causes skin irritation.
Eye Contact	: Causes serious eye irritation.
Ingestion	: May causes digestive tract burns.
Inhalation	: May cause irritation to the respiratory system
Chronic Exposure Effects	: Skin, eye and respiratory irritation. May be harmful if swallowed.
Sensitization	: Causes skin and eye irritation.
Irritancy	: No Data Available
Carcinogenicity	: No Data Available
Teratogenicity	: No Data Available
Mutagenicity	: No Data Available
Reproductive Effects	: No Data Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Dispose in accordance with federal, provincial or local government requirements.

SECTION 14 – TRANSPORT INFORMATION

TDG Shipping Regulations UN 2967, Sulphamic Acid, Class 8, PG III

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification Class E: Corrosive
Domestic Substances List All ingredients are listed on the DSL or are not required to be listed.

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Services
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While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc. makes no warranty; the data is offered for your consideration, investigation and verification.