

Material Safety Data Sheet (MSDS)

GP^{BIO} Pit Toilet Powder



Green Chemistry—bringing sustainability to chemical products and processes.

SECTION 1: IDENTIFICATION OF MATERIAL

PRODUCT	GP ^{BIO} Pit Toilet Powder
SUPPLIER	EDS Chemicals (Pty) Ltd 6 Koevoet Street, Kya Sand, Johannesburg, +27 11 801 3200
TELEPHONE NUMBER	+27 11 801 3200
EMAIL ADDRESS	info@gp2.co.za
WEBSITE ADDRESS	www.gp2.co.za

SECTION 2: HAZARD INGREDIENTS

Ingredients not precisely identified are proprietary or nonhazardous. All chemical ingredients appear on the EPA TSCA Inventory. Values are not product specifications

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

BOILING POINT	No data. pH: 6.5 – 8.5
VAPOUR PRESSURE (mmHg at 20°C)	No data.
VAPOUR DENSITY (air = 1)	No data
SOLUBILITY IN WATER	Moderate, contains viable bacteria
APPEARANCE AND ODOUR	Free flowing, chalky-brown powder, yeast-like odour
NFPA RATING (0-4)	Health=3, Fire=1, Reactivity=0

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (AND METHOD)	NA, (DSP) non-combustible, (MSP) slight fire hazard when exposed to flame.
AUTO IGNITION TEMP	No data.
FLAMMABLE LIMITS (STP)	No data.
EXTINGUISHING MEDIA	Water spray, carbon dioxide, dry chemical powder
FIRE FIGHTING PROTECTIVE EQUIPMENT	Self-contained breathing apparatus with a full-face piece operated in pressure-demand or other positive pressure mode.
FIRE AND EXPLOSION HAZARDS	None known

SECTION 5: REACTIVITY DATA

STABILITY	Stable under normal conditions
INCOMPATIBILITY (MATERIALS TO AVOID)	Solutions may be corrosive toward metals.
SB	May react violently with strong acids and release CO ₂ ; 2-furaldehyde is a possible ignition hazard; mono-ammonium phosphate may react with rapid build-up of pressure. Strong acid and alkali compounds may inactivate biological cultures.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition products may include toxic oxides or phosphorous and sodium
SB	Thermal decomposition products may include oxides of carbon.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 6: HEALTH HAZARD ASSESSMENT

INGESTION (ACUTE EXPOSURE)

Ingestion may result in abdominal pain, nausea, vomiting, diarrhea, shock, hypotension, slow pulse, cyanosis, coma and possible convulsions. In the stomach, SB may release CO₂ and cause distension, belching, and possible rupture of the stomach.

(CHRONIC EXPOSURE)

SB

MSP is used as a food additive with no adverse effects, Ingestion of up to 140 mg/day for 3 weeks caused fluid retention, alkalosis with an increase in plasma CO₂ and pH.

EYE CONTACT (ACUTE EXPOSURE)

Direct contact may cause irritation, pain and possible corneal injury. Organisms are non-pathogenic but can cause infection when in contact with open wounds. They are susceptible to many common antibiotics. Conjunctivitis.

(CHRONIC EXPOSURE)

SKIN CONTACT (ACUTE EXPOSURE)

Contact may produce strong irritation, erythema, pain and blistering. Triton X-120 can be absorbed through the skin.

(CHRONIC EXPOSURE)

Dermatitis.

INHALATION (ACUTE EXPOSURE)

Inhalation of dust may cause throat irritation and coughing.

(CHRONIC EXPOSURE)

No effects reported in humans.

OTHER EFFECTS OF OVEREXPOSURE

None known.

SECTION 7: FIRST AID PROCEDURES

SKIN

Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before re-use.

INHALATION

Remove victim to fresh air. If breathing has stopped, give artificial respiration. Maintain airway and blood pressure and administer oxygen. Keep victim warm and at rest. Get medical attention.

EYES

Immediately flush with plenty of water for at least 15 minutes and have eyes examined and treated by medical personnel

INGESTION

Treat symptomatically and supportively. Get medical attention. If vomiting, keep head lower than hips to prevent aspiration.

SECTION 8: SPILL OR LEAK PROCEDURES

SOIL SPILL

Dig a pit, pond, lagoon or holding area to contain liquid or solid material. Cover solids with a plastic sheet to prevent dissolving in rain or fire fighting water.

WATER SPILL

Add suitable agent to neutralize spilled material to pH 7. Use dredges or lifts to extract immobilized masses of pollution and precipitates. Keep spill and runoffs out of municipal sewers and open bodies of water.

DISPOSAL METHOD

Disposal of this product or its residues must be in accordance with all local, state and federal requirements.

SECTION 9: SPECIAL PROTECTION INFORMATION

TLV OR SUGGESTED CONTROL VALUE:

No TLV assigned to this mixture. Control of exposure to below the TLV for the Ingredients (see Section 2) will be sufficient. Avoid handling which would create large amounts of dust. Use approved respirator for nuisance dust. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. The ACGIH TLV's shown in Section 2 are also OSHA PEL's (permissible Exposure Limits).

VENTILATION:

General mechanical ventilation.

RESPIRATORY PROTECTION (SPECIFY TYPE):

The specific respirator selected must be based on the contamination levels found in the workplace, must be based on the specific operation, must not exceed the working limits of the respirator and must be jointly approved by MSHA-NIOSH. Any dust and mist respirator, any air-purifying respirator with a high-efficiency particulate filter, any powered air-purifying respirator with a dust and mist filter, any type C supplied-air respirator operated in the pressure-demand or other positive pressure or continuous flow mode, any self-contained breathing apparatus.

PROTECTIVE CLOTHING:

Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged contact with this substance.

EYE PROTECTION:

Splash-proof or dust resistant goggles and face shield.

OTHER PROTECTIVE EQUIPMENT:

Eyewash station is work area. Other protective equipment as required by local, state and Federal regulations.

SECTION 10: SPECIAL PRECAUTIONS OR OTHER COMMENTS

Precautions to be taken in handling or storing. Prevent skin and eye contact. Avoid creating dust. Use approved respirator.

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