



A CSW Industrials Company

SAFETY DATA SHEET

PLUMBER'S MATE®
Absorbent Utility Pads

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product name
Plumber's Mate Absorbent Utility Pad

Product Codes
97260

Chemical Family
Organic

Use
Absorbent Pad

Manufacturer's Name
McAirlaid's Inc
180 Corporate Drive
Rocky Mount, VA 24151
Tel: (540) 352-5050

Date of validation
March 1, 2019

Date of Preparation
March 1, 2019

HMIS Codes
Health 0
Flammability 0
Reactivity 0

Emergency Telephone No.
Chemtrec 24 Hours
(800) 424-9300 USA
(703) 527-3887 International

Technical Service Telephone No.
(800) 231-3345 or (713) 263-8001

SECTION 2 - HAZARDS IDENTIFICATION

SUMMARY OF ACUTE HAZARDS

This product is not hazardous according to EC criteria.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

APPEARANCE AND ODOR:

The product is an odourless, white rolled, sheeted or festooned pulp based nonwoven.

PRIMARY HEALTH HAZARDS:

The primary health hazard posed by this product is thought to be due to exposure to dust.

PRIMARY ROUTE OF EXPOSURE:

Inhalation of dust

MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE:

Dust may aggravate pre-existing respiratory conditions or allergies.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Air-Formed nonwoven composite Pulp (Sulphate / Sulphite /CTMP or blend of the same), cross linked acrylate copolymer and water (max 9%).

SECTION 4 - FIRST AID MEASURES

INGESTION: No adverse effects anticipated by this route of exposure.

EYE CONTACT: Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush immediately with water to remove dust particles for at least 5 minutes. Get medical help if irritation persists.

SKIN CONTACT: Wash off in flowing water or shower.

INHALATION: Excessive dust concentrations may cause unpleasant deposit or obstruction in the nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

SECTION 5 - FIRE FIGHTING MEASURES**FLASH POINT (Method Used):**

NA

FLAMMABLE LIMITS:

LEL : See below under "Unusual Fire and Explosion Hazards".

UEL : NA

EXTINGUISHING MEDIA

Water fog or fine spray. Carbone dioxide. Dry chemical.

AUTOIGNITION TEMPERATURE:

450°F or 232°C

SPECIAL FIRE FIGHTING PROCEDURES:

Do not use water jet. Dust explosion hazard may result from forceful application of fire extinguishing agents.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Depending on moisture content, particle diameter, and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30.000 mg/m³ is considered often as LEL for cellulose pulp. Dust of this product suspend in air is flammable and poses a definite explosion hazard if ignited.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep or vacuum for recovery or disposal. Spills may cause very slippery surfaces when wet.

OTHER PRECAUTIONS:

Minimize compressed air blow down or other practices that generate high dust levels.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Fine dust of this product can form explosive mixtures with air and poses a definite fire and explosion hazard at all times; keep away from ignition sources. May cause very slippery surfaces when wet.

STORAGE:

Leave room for expansion in case of contact with aqueous fluid, as the product swells upon wetting.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

No special handling precautions are required. Keep in cool, dry place away from open flame.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not applicable for product in purchased form. A NIOSH/MSHA-approved respirator is recommended when allowable exposure limits may be exceeded.

PROTECTIVE GLOVES: Not required. However, cloth, canvas, or leather gloves are recommended to minimize potential mechanical irritation from handling product.

EYE PROTECTION: Not applicable for product in purchased form. However goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK/HYGIENE PRACTICES: Not applicable for product in purchased form.

LOCAL EXHAUST: Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL): Provide general ventilation in processing and storage areas so that exposure limits are met.

EXPOSURE GUIDELINES: Recommends for an Industrial Hygiene Guideline of 0,01mg/m³ respirable superabsorbent polymer dust. The European Disposables and Nonwoven Association (EDANA) recommended Industrial Hygiene Guideline is 0.05mg/m³ respirable superabsorbent polymer dust. (particle size less than 10 microns) based on NOEL (No-Observed Effect Level of the 2-year inhalation study, see Section 11.)

SPECIAL: None

OTHER: None

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (@760mmHg):	NA
Colour:	White
Specific Gravity (H ₂ O = 1):	< 0.5
Vapor Pressure (mm Hg):	NA
Melting Point:	NA
Evaporation Rate (Ethyl Acetate = 1):	NA
% Volatile by Volume [@ 70 °F (21°C)]:	NA
Solubility In Water (% by weight):	< 1.0
pH:	NA

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under normal handling and storage conditions.

Conditions to Avoid: Acids. Bases. Oxidizing agents.

Incompatibility (Materials to Avoid): Avoid open flame and sparks.

Hazardous Decomposition Products: Combustion products include carbon Monoxide.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGY INFORMATION

ACUTE TOXICITY OF THE SUPERABSORBENT POLYMER

INGESTION

Single dose oral toxicity is considered to be low. The oral LD50 for rats is >2500mg/Kg. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

SKIN CONTACT

A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The LD50 for skin absorption in rabbits is >2000mg/kg.

IRRITATION OF THE SUPERABSORBENT POLYMER

SKIN

Prolonged or repeated exposure not likely to cause significant skin irritation.

EYES

May cause eye irritation. May cause very slight transient (temporary) corneal injury.

INHALATION

Dust may cause irritation to upper respiratory tract (nose and throat).

MUTAGENICITY

In vitro mutagenicity studies were negative. Animal mutagenicity studies were negative.

CARCINOGENICITY

A chronic (two years) lifetime inhalation study with micronized superabsorbent polymer dust (to get completely respirable particles) performed on rats resulted in a non – specific inflammatory response in the lungs of the rats, followed in the highest chronic exposure level by tumour development in some animals (regarding Exposure Controls/Personal Protection). In the absence of chronic inflammation, tumours are not expected. The study found a definite NOEL of 0.05mg/m³ of micronized superabsorbent polymer dust.

SECTION 12 - ECOLOGICAL INFORMATION

MOBILITY AND BIOACCUMULATION POTENTIAL OF THE SUPERABSORBENT POLYMER:

Partitioning from water to n-octanol is not applicable. No bio concentration is expected because of the relatively high molecular weight. (MW greater than 1000). Potential for mobility in soil is slight (poc between 2000 and 5000).

DEGRADATION OF THE SUPERABSORBENT POLYMER:

Biodegradation is not expected in a wastewater treatment plant. Chemical degradation (hydrolysis) is expected in the environment within month or years.

AQUATIC TOXICITY OF THE SUPERABSORBENT POLYMER:

Acute LC50 for fathead minnow (pimephales promelas) is 610mg/L. Acute LC50 for water flea Daphnia magna is >1000mg/L. Material is not harmful to aquatic organisms (LC50/EC50/IC50 greater than 100mg/L).

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Deposit in a landfill or incinerate in accordance with federal state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Not regulated as a hazardous material by the EC and by the U.S. Department of Transportation. Product is not classified for any mode of transportation.

SECTION 15 - REGULATORY INFORMATION

It is the user's responsibility to determine what regulatory information is relevant to the usage of this product.

SECTION 16 - OTHER INFORMATION

The information contained in this safety data sheet prepared on August 21,2018 is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risks as required by other health and safety legislation.