



SAFETY DATA SHEET

U.S. Department of Labor
Occupational Safety & Health Administration

Polafloor PUR Brushable - Part C

SECTION 1 - IDENTIFICATION

MANUFACTURER: Andek Corporation
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PRODUCT IDENTIFIER: Polafloor PUR Brushable - Part C
RECOMMENDED USE: Industrial Floor Coating

SECTION 2 – HAZARD IDENTIFICATION

HAZARD CLASSIFICATION (EFFECTS OF EXPOSURE):

Skin: Prolonged or repeated contact may cause irritation
Eyes: May cause irritation
Inhalation: Prolonged exposure to dust may cause lung injury
Ingestion: Low acute toxicity

SIGNAL WORD: Warning

HAZARD STATEMENTS:

- Causes mild skin irritation
- Causes eye irritation
- May cause respiratory irritation

PICTOGRAMS:



PRECAUTIONARY STATEMENTS:

Prevention:

- **Do Not** handle until all safety precautions have been read and understood.
- **Do Not** breathe dust.
- Wear protective gloves/protective clothing/eye protection/face protection.
- In case of inadequate ventilation wear respiratory protection.
- Wash thoroughly after handling.
- **Do Not** eat, drink or smoke when using this product.

Response:

- **Skin:** Wash with plenty of water.
- **Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing.
- **Inhalation:** If experiencing respiratory symptoms call a POISON CENTER/doctor.
- **Ingestion:** Rinse mouth. **Do Not** induce vomiting

Storage:

- Store in a dry place

Disposal:

- Waste disposal should be in accordance with existing federal, state and local environmental control laws.
- Incineration is the preferred method.

SECTION 3 – COMPOSITION

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>APPROX %</u>
Hydrated, Amorphous Silica	112926-00-8	0.4
Calcium Hydroxide	1305-62-0	18.7
Micaceous Iron Oxide	1309-37-1	80.9

SECTION 4 – FIRST AID MEASURES

Skin:

- Wash with soap and water.
- Get medical attention if irritation develops.

Eyes:

- Remove in same manner as one would remove any foreign particle.
- Get medical attention if irritation develops.

Inhalation:

- Move from dusty area to fresh air.
- Get medical attention for any breathing difficulty.

Ingestion:

- Swallowing this product is not recommended but should not cause harm.

SECTION 5 – FIRE-FIGHTING MEASURES

Flash point: Non-Flammable.

Flammable limits: N/A

Extinguishing media:

- This product is not combustible or flammable.
- Use extinguishing agents that are suitable to the surrounding fire; water spray, dry chemical, foam or CO₂.

Unusual fire & explosion hazards: Products of combustion may include irritating gases.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Cleanup procedures:

Small Spill:

- If dust is generated, use appropriate respiratory protection.
- Vacuum or scoop material into an appropriately marked container for reuse or disposal.
- Avoid excessive generation of dust.

Large Spill:

- Use recommended protective clothing and respiratory protection.
- Use shovel to reclaim material.
- Vacuum or scoop material into an appropriately marked container for reuse or disposal.
- Avoid excessive generation of dust.
- It is more effective to clean this product while dry by vacuuming or sweeping.
- Spill area can be washed with water.
- Collect wash water for approved disposal.
- Prevent runoff from entering storm sewers and ditches which lead to natural waterways.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling:

- Avoid breathing dust.
- Avoid getting in eyes or on skin.
- Wash hands thoroughly after handling.
- Avoid contact with moisture.

Recommendations on the conditions for safe storage:

- Store dry at ambient temperature away from food and beverages, excessive heat or flame sources.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure limits:

CHEMICAL NAME	PEL	TLV
Hydrated, Amorphous Silica	6 mg/m ³ (OSHA) total dust	10 mg/m ³ (ACGIH - TWA) Inhalable fraction
Calcium Hydroxide	5 mg/m ³ (NIOSH)	5 mg/m ³ (ACGIH) TWA
Micaceous Iron Oxide	N/A	15 mg/m ³ (Total dust)

Engineering controls:

- Maintain air levels below the recommended exposure limit using process enclosure and exhaust ventilation if necessary.
- Supply sufficient replacement air to make up for air removed by exhaust systems.
- If engineering controls and work practices are not effective in controlling exposures, appropriate personal protective equipment including a NIOSH/OSHA approved respirator should be worn.

Inhalation protection:

- Workplace ambient dust concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/OSHA approved respirator with dust prefilter should be worn.

Eye protection:

- Wear safety glasses with side shields or goggles.
- Eyewash stations should be available in the workplace.

Skin and body protections:

- Wear rubber, PVC or leather gloves.

Other hygienic practices and protective equipment:

- Educate and train employees in the safe use and handling of hazardous chemicals.
- Employees should wash their hands and face before eating, drinking or using tobacco products.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Dense metallic powder

Physical state: Powdered solid

Color: Metallic black

Odor: None

Odor threshold: None

pH: 14 (5% solution in water)

Melting point/freezing point: 580°C

Initial boiling point and boiling range: None established

Flash point: None

Evaporation rate: None

Flammability (solid, gas): Non flammable

Upper/lower flammability or explosive limits: None

Vapor pressure: None

Vapor density: None

Relative density: 4.13 kg/l

Solubility: 20% soluble

Partition coefficient: n-octanol/water: None established

Auto-ignition temperature: None

Decomposition temperature: None

Viscosity: None

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Stable

Incompatibility (materials to avoid):

- Incompatible with maleic anhydride, phosphorous, nitroethane, nitromethane, nitroparaffins, nitropropane, polychlorinated phenols + potassium nitrate. When chlorinated phenols are heated for analytical purposes with calcium hydroxide-potassium nitrate mixtures, chlorinated dibenzodioxins analagous to extremely toxic tetrachlorodibenzodioxin may be formed.
- Readily absorbs CO2 from air forming calcium carbonate.
- Reactive with acids.

Polymerization: Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of exposure: Absorbed through skin, inhalation and ingestion.

Effects from short and long term exposure: Prolonged or repeated skin contact may produce severe irritation or dermatitis.

Special Remarks on Chronic Effects on Humans: Mutagenicity: Cytogenic analysis (rat): Cell type: Ascites tumor; dose: 1200 mg/kg

Numerical measures of toxicity:

CHEMICAL NAME	Oral LD50	Dermal LD50	Inhalation
Hydrated, Amorphous Silica	N/A	N/A	126 mg/m ³
Calcium Hydroxide	7,300 mg/kg (mouse)	N/A	N/A
Micaceous Iron Oxide	10,000 mg/kg (rat)	N/A	N/A

SECTION 12 – ECOLOGICAL INFORMATION

Data from toxicity test (aquatic and/or terrestrial organism where available): 5 columns

CHEMICAL NAME	Algae/Aquatic Plants	Fish EC0	Toxicity to Microorganism	Crustacea (Aquatic Invertebrates) EC0
Hydrated, Amorphous Silica	N/A	>10,000 ppm (rainbow trout) 4 days - Slight to very low Toxicity	N/A	>1,000 ppm (daphnia magna) 24 h - Slight to very low toxicity

Biodegradation: Will not biodegrade.

Bioaccumulation potential: No bioaccumulation potential.

Mobility in soil: No mobile in soil.

Other adverse effects: Sinks in water and settles to the bottom.

SECTION 13 – DISPOSAL CONSIDERATIONS

- Material which cannot be reused should be disposed of in accordance with federal, state and local environmental control regulations at an authorized site by an approved contractor.
- Product and packaging can be disposed of or recycled as non-hazardous waste.
- Not a RCRA hazardous waste. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (4-OCFR 26120-24)

SECTION 14 – TRANSPORT INFORMATION

UN #	None
UN PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	None
PACKING GROUP:	None
ENVIRONMENTAL HAZARDS:	Not a marine pollutant
GUIDANCE ON TRANSPORT IN BULK:	N/A

Transport labels required: This material is not regulated by the D.O.T.

SECTION 15 – REGULATORY INFORMATION

US Federal Regulation:

SARA 311/312 Hazard Categories:

CHEMICAL NAME	CAS #	
Hydrated, Amorphous Silica	112926-00-8	Acute Health Hazard

SARA 313 Toxic Chemicals: None

US State Right to Know Regulations: New Jersey, Massachusetts, Pennsylvania, Rhode Island

CHEMICAL NAME	CAS #
Calcium Hydroxide	1305-62-0

CA Prop 65: None listed

Canada

CHEMICAL NAME	CAS#
Calcium Hydroxide	1305-62-0

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	2
Flammability	0
Physical Hazard	0
Personal Protection	J

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