SAFETY DATA SHEET

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

Polafloor PUR Brushable - Part C

SECTION 1 - IDENTIFICATION

MANUFACTURER:	Andek Corporation
ADDRESS:	850 Glen Avenue, Moorestown, NJ 08057
TELEPHONE:	1-856-786-6900
	In an emergency, contact CHEMTREC 1-800- 424-9300;
	Outside the United States call +1-703-527-3887
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

CHEMICAL NAME	CAS #	APPROX %
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 $C0^2$

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 re-use 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 re-use 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/m³ (OSHA) total dust	10 mg/m³ (ACGIH - TWA) Inhalable fraction
Calcium Hydroxide	5 mg/m³ (NIOSH)	5 mg/m³ (ACGIH) TWA
Micaceous Iron Oxide	N/A	15 mg/m³ (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: 580ºC
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/lt
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, nitorparaffins, nitropropane, polychlorinated phenols + potassium nitrate. When chlorinated phenols are heated for analytical purposes with calcium hydroxide-potassium nitrate mixutures, chlorinated benzodioxins 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, 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: Mutangenicity: Cytogenic analysis (rat): Cell type: Ascities 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/m³
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 terretrial 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. (4-0CFR 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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