



SAFETY DATA SHEET

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

Polafloor PUR Brushable - Part B

SECTION 1 - IDENTIFICATION

MANUFACTURER: Andek Corporation
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PRODUCT IDENTIFIER: Polafloor PUR Brushable - Part B
RECOMMENDED USE: Component of Floor Coating

SECTION 2 - HAZARD IDENTIFICATION

HAZARD CLASSIFICATION (EFFECTS OF EXPOSURE):

Skin: No irritation hazard in normal industrial use
Eyes: No irritation hazard in normal industrial use
Inhalation: No irritation hazard in normal industrial use
Ingestion: May cause abdominal pain, nausea, vomiting and diarrhea

SIGNAL WORD: Warning, no hazard in normal industrial use

HAZARD STATEMENTS:

- May be harmful if swallowed
- May cause slight skin irritation
- May cause slight eye irritation
- May cause respiratory irritation

PICTOGRAMS: None necessary

PRECAUTIONARY STATEMENTS:

Prevention:

- **Do Not** handle until all safety precautions have been read and understood
- **Do Not** breathe dust
- **Do Not** get in eyes, on skin, or on clothing
- Wash thoroughly after handling
- **Do Not** eat, drink or smoke when using this product

Response:

- **Skin:** Wash with plenty of water. Wash contaminated clothing before reuse.
- **Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, and continue rinsing.
- **Inhalation:** Remove person to fresh air and keep comfortable for breathing.
- **Ingestion:** Rinse mouth. **Do Not** induce vomiting

Storage:

- Store in a dry place
- Store in a closed container
- Store between 45°F and 85°F

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>
Alkylsulfonic Acid Ester of Phenol	70775-94-9	43.0
Glycerin	56-81-5	27.5
Vegetable Oil	8001-79-4	27.5
Para-aramid	26125-61-1	1.8
Dimethylbenzene	1330-20-7	0.2
Phenol	108-95-2	>0.00015

SECTION 4 – FIRST AID MEASURES

Skin:

- Wash affected areas with soap and water.
- Immediately remove contaminated clothing and shoes.
- Get medical attention if irritation develops

Eyes:

- Flush eyes with plenty of lukewarm water.
- Use fingers to ensure that eyelids are separated and that the eye is being irrigated.
- Call a physician immediately

Inhalation:

- Remove to fresh air.
- If breathing is difficult, give oxygen.
- If not breathing, give artificial respiration.
- Get medical attention

Ingestion:

- **Do Not** induce vomiting.
- If conscious, give 2 glasses of water.
- Get immediate medical attention.
- **Do Not** give anything by mouth to an unconscious person

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media:

- All extinguishing media are suitable
- Water spray for large fires.

Special fire fighting procedures:

- Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
- Use cold water spray to cool fire-exposed containers to minimize the risk of rupture

Unusual fire & explosion hazards:

- Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
- Vapors or fumes may form explosive mixture with air.
- Dry residue will support combustion

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Cleanup procedures:

- Cleanup personnel must use appropriate personal protective equipment.
- Evacuate and keep unnecessary people out of spill area.
- Ventilate area to remove vapors or dust.
- Dike or dam spilled material and control further spillage, if possible.
- **Do Not** allow spilled material or wash water to enter sewers, surface waters, or groundwater systems.
- Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal.
- Wash spill area with water

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling:

- Wash thoroughly after handling.
- Do not get in eyes.
- Do not get on skin or clothing.
- Avoid breathing dust, vapor, or mist.

Recommendations on the conditions for safe storage:

- **Storage temperature: minimum:** 0 °C (32 °F)
maximum: 60 °C (140 °F)
- **Storage period:** 6 months after receipt of material by customer
- Protect from freezing.
- Containers should be kept tightly closed to prevent contamination

Further Info on Storage Conditions:

- Store separate from food products.
- Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure limits:

CHEMICAL NAME	PEL	TLV - ACGIH
Glycerin	5 mg/m ³ Respirable fraction (OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	10 mg/m ³ Mist (TWA)
Phenol	5 ppm 19 mg/m ³ (OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	5 ppm (TWA)
Para Aramid	5 mg/m ³ Respirable fraction (TWA) 8 hr.	3 mg/m ³ Respirable particles (TWA)
Dimethylbenzene	N/A	150 ppm (STEL)

Engineering controls: Under normal conditions of use, special ventilation is not required

Inhalation protection: None required under normal conditions of use

Eye protection: Safety glasses with side-shields

Skin and body protections:

- Can be absorbed through the skin
- No special skin protection requirements during normal handling and use

Other hygienic practices and protective equipment:

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Thixotropic Paste

Physical state: Liquid

Color: Yellow

Odor: Mild

Odor threshold: None established

pH: 6.5

Melting point/freezing point: 0°C (32°F)

Initial boiling point and boiling range: 106°C to 200°C (223°F to 392°F)

Flash point: 210°C (410°F) Cleveland open cup (ASTM D-92)

Evaporation rate: No evaporation at ambient temperatures

Flammability (solid, gas): Not considered flammable

Upper/lower flammability or explosive limits: None established

Vapor pressure: <0.000075 mmHg @ 20°C (68°F)

Vapor density: Not measured

Relative density: 1.05 kg/m³

Solubility: Partially soluble

Partition coefficient: n-octanol/water: None established

Auto-ignition temperature: 425°C (797°F)

Decomposition temperature: 200°C (392°F)

Viscosity: 100,000 centipoise @ 20°C

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Hazardous polymerization does not occur

Chemical stability: Stable

Incompatibility (materials to avoid): Oxidizing agents, Reducing agents

Hazardous decomposition products: By Fire and Thermal Decomposition: Carbon oxides, nitrogen oxides (NOx), other aliphatic fragments which have not been determined

Conditions to avoid: Protect from freezing

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of exposure:

Oral: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury.

Inhalation: Inhalation of dust may cause irritation

Dermal: This material may cause irritation if not washed off promptly

Effects from short and long term exposure: Overall weight of evidence indicates that the substance is neither carcinogenic nor causes genetic damage in mammalian cells.

Numerical measures of toxicity:

CHEMICAL NAME	Oral LD50 (rat)	Dermal LD50	Inhalation (rat)
Alkylsulfonic Acid Ester of Phenol	>5,000 mg/kg	>1,000 mg/kg (rat)	N/A
Glycerin	>5,000 mg/kg	Not irritating to rabbit	90 d - NOAEL 0.167 mg/l
Para Aramid	>7,500 mg/kg	Not irritating to human	Lung effects to rat

SECTION 12 – ECOLOGICAL INFORMATION

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

CHEMICAL NAME	Algae/Aquatic Plants - EC50	Fish - LC0	Toxicity to Microorganism - EC50	Crustacea (Aquatic Invertebrates) - EC50
Alkylsulfonic Acid Ester of Phenol	>10,000 mg/l (Green algae - <i>Scenedesmus subspicatus</i>) 72 hr.	100 mg/l (Zebra fish - <i>Brachydanio rerio</i>) 96 hr.	>10,000 mg/l (Activated sludge microorganisms)	1,000 mg/l (Water flea - <i>Daphnia magna</i>) 48 hr.
Glycerin	N/A	>10,000 mg/l (Golden orfe - <i>Leuciscus idus</i>) 48 hr.	N/A	>10,000 mg/l (Water flea - <i>Daphnia magna</i>) 24 hr.

Biodegradation:

Alkylsulfonic Acid Ester of Phenol: 31%, Exposure time - 28 days

Glycerin:

- Readily biodegradable
- Aerobic, 63%, Exposure time - 14 days

Bioaccumulation potential: None expected

Mobility in soil: Do Not allow to enter soil or waterways

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:

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

Empty Container Precautions:

- Empty containers retain product residue; observe all precautions for product.
- **Do Not** heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed.
- **Do Not** reuse without thorough commercial cleaning and reconditioning.
- If container is to be disposed, ensure all product residues are removed prior to disposal

SECTION 14 – TRANSPORT INFORMATION

UN #	N/A
UN PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	None
PACKING GROUP:	N/A
ENVIRONMENTAL HAZARDS:	N/A
GUIDANCE ON TRANSPORT IN BULK	N/A

Transport labels required: Not regulated by the D.O.T.

SECTION 15 – REGULATORY INFORMATION**US Federal Regulation:**

SARA 311/312 Hazard Categories: None of the ingredients of this product are subject to SARA 311-312.

SARA 313:

CHEMICAL NAME	CAS #
Dimethylbenzene	1330-20-7

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

CHEMICAL NAME	CAS #
Alkylsulfonic Acid Ester of Phenol	70775-94-9
Glycerin	56-81-5
Dimethylbenzene	1330-20-7
Phenol	108-95-2

CA Prop 65: To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

Canada

CHEMICAL NAME	CAS#
Dimethylbenzene	1330-20-7

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

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