

MSDS

The attached MSDS sheets applies to the following products. Please file accordingly.

VENDOR: RESEARCH PRODUCTS (APRILAIRE) A508

STOCK# **MFG#/DESCRIPTION**

B82-279	10 Water Panel
B82-280	12 Water Panel
B82-282	35 Water Panel

MATERIAL SAFETY DATA SHEET

IDENTITY (As Used on Label and List)
WATER PANEL #10, #12, #35

SECTION I - MANUFACTURER AND PREPARATION INFORMATION

<u>MANUFACTURER</u> Research Products Corporation 1015 East Washington Avenue Madison, WI 53703	<u>EMERGENCY TELEPHONE NUMBER</u> (608) 257-8801
	<u>TELEPHONE NUMBER FOR INFORMATION</u> (608) 257-8801
<u>PREPARED BY</u> Engineering Staff	<u>DATE PREPARED</u> <u>REVISED</u> December, 1992 July, 1998

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS COMPONENTS</u> SPECIFIC IDENTITY	% (by weight)
Mineral Fiber	>10%
Caustic Soda	<1%
Sodium Silicate	>10%
Darvan	<1%
Polyethylene	>10%
Powdered Clay	>10%

- (1) Polyethylene film is a thin film made from ethane, homopolymer. In the solid state, it is not a hazardous material. In the molten state, normal precautions for a hot, sticky, viscous material (in limited quantities) should be exercised.
- (2) Mineral Fiber is an inert material, in its unprocessed state it is classified as a nuisance particulate
- (2) 1985-86 ACGIH TLV-TWA for nuisance particulate.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

<u>BOILING POINT:</u> N/A	<u>SPECIFIC GRAVITY (H₂O = 1):</u> N/A
<u>VAPOR PRESSURE (mm Hg.):</u> N/A	<u>MELTING POINT:</u> N/A
<u>VAPOR DENSITY (AIR = 1):</u> N/A	<u>EVAPORATION RATE (BUTYL ACETATE = 1):</u> N/A
<u>SOLUBILITY IN WATER:</u> Nonionic Surfactant is readily soluble	
<u>APPEARANCE AND ODOR:</u> Aluminum mesh with fused powder coating, plaster-like odor when wet	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

<u>FLASH POINT (METHOD USED)</u> Polyethylene - 646°F (341°C) Paper - decomposes above 450°F (232°C) Surfactant 555°F (290°C) (ASTM D 92)	<u>FLAMMABLE LIMITS</u> Nonflammable	<u>LEL</u> N/A	<u>UEL</u> N/A
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EXTINGUISHING MEDIA
 Water, multipurpose dry chemical, foam, or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES
 Positive pressure, self-contained breathing apparatus in closed space. Fire fighters should wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS Dense smoke emitted when burned without sufficient oxygen, formaldehyde may be generated in a fire, hazardous melting and dripping may occur at high temperatures. Carbon dioxide/monoxide emitted (surfactant).

SECTION V - REACTIVITY DATA

<u>STABILITY</u>	Unstable		<u>CONDITIONS TO AVOID</u> Fire or extreme heat.
	Stable	X	

INCOMPATIBILITY (MATERIALS TO AVOID)

Acids and bases will destroy the paper structure.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Carbon, CO, CO₂, and organic vapors released during thermal decomposition. At 572°F combustible gases released, formaldehyde fumes released when heated or burned.

<u>HAZARDOUS POLYMERIZATION</u>	May Occur		<u>CONDITIONS TO AVOID</u> N/A
	Will Not Occur	X	

SECTION VI - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY

Inhalation - Smoke possibly toxic.
 Skin - Possible irritant.
 Ingestion - May cause abdominal discomfort (consumption unlikely)
 Eyes - May cause irritation, tearing, excess blinking, redness and possible swelling during product manufacture, none under normal use and handling.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute - N/A
 Chronic - N/A

CARCINOGENICITY

NTP - Suspected. See NTP Annual Report.
 IARC Monographs - See IARC - on formaldehyde for paper (otherwise none).
 OSHA Regulated - Yes.

FORMALDEHYDE

Positive animal, indefinite human, copper-8 quinolinolate suspected animal.

SIGNS AND SYMPTOMS OF EXPOSURE

None under normal use. Upon heating formaldehyde fumes can affect breathing.

MEDICAL CONDITIONS

Generally aggravated by exposure. None under normal use. When heated, persons with impaired pulmonary function at risk when exposed to fumes.

EMERGENCY AND FIRST AID PROCEDURES

Eyes - Wash or immerse affected area with water.
 Skin - Wash or immerse affected area in water.
 Inhalation - Remove to fresh air and artificial respiration to restore breathing if overexposed to formaldehyde fumes. Obtain medical attention.
 Ingestion - Give water, obtain medical.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: May be handled as normal solid waste.

WASTE DISPOSAL METHOD

Incinerate or landfill in accordance with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Leather or rubber gloves to protect hands from cuts; goggles to protect eyes from cuts, dust, or fibers. Store in cool, dry, well ventilated area.

OTHER PRECAUTIONS: None

SECTION VIII - CONTROL MEASURESRESPIRATORY PROTECTION (SPECIFY TYPE)

NIOSH Approved respirator for formaldehyde.

<u>VENTILATION</u>	<u>LOCAL EXHAUST</u> Local or general.	<u>SPECIAL</u> N/A
	<u>MECHANICAL (GENERAL)</u> Exhaust for fumes buildup.	<u>OTHER</u> N/A

PROTECTIVE GLOVES

Leather or rubber (PVC coated), used at time of product manufacture, consumer handling.

EYE PROTECTION

Safety glasses or goggles at time of product manufacture.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Eye Bath at place of product manufacture.

WORK/HYGIENIC PRACTICES

Check storage and work areas for proper ventilation.

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