DPM 714 JAN 14 1982

ROHM AND HAAS COMPANY
CORPORATE HEALTH AND SAFETY
INDEPENDENCE MALL WEST
PHILADELPHIA, PA. 19105 FEB 20 1980

EMERGENCY PHONE
215-592-3000 (ROHM AND HAAS)
800-424-9300 (CHEMTREC)

HAZARD RATING:
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT
* = CHRONIC HEALTH HAZARD – SEE SECTION IV

Fire 1 | Reactivity 1 | Health 1 | Special 0

LIST 6

MATERIAL SAFETY DATA SHEET

MATERIAL	CODE	FREIGHT CLASSIFICATION
PLEXIGLAS® MOLDING POWDER VS PELLETS IG 100	3-1712	PLASTIC, POWDER

FORMULA	CHEMICAL NAME AND SYNONYMS
	Acrylic molding powder

I. HAZARDOUS INFORMATION

SUMMARY	WEIGHT %	TWA/TLV
Acrylic polymer (low levels of acrylic monomers may be generated when the polymer is heated during molding, extrusion, grinding, sawing, or machining operations)	99	Not estab.
Acrylic monomers (residual) (moderate health hazard)	0.5	See Section IV

II. PHYSICAL DATA

APPEARANCE – ODOR – PH.			VISCOSITY
Colorless pellets about 1/8" long; no odor			NA
MELTING OR FREEZING POINT	BOILING POINT	VAPOR PRESSURE (MM HG)	VAPOR DENSITY (AIR = 1)
270F flow temp.	NA	NA	NA
SOLUBILITY IN WATER	PERCENT VOLATILE (BY WT.)	SPECIFIC GRAVITY (WATER = 1)	EVAPORATION RATE (BUTYL ACETATE = 1)
Negligible	0	1.18	NA

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	AUTO IGNITION TEMPERATURE	LOWER EXPLOSION LIMIT	UPPER EXPLOSION LIMIT
NA	900F	NA %	NA %

EXTINGUISHING MEDIA
[ ] FOAM [ ] "ALCOHOL" FOAM [X] CO_2 [X] DRY CHEMICAL [X] WATER FOG [ ] OTHER

SPECIAL FIRE FIGHTING PROCEDURES
Wear MESA/NIOSH approved self-contained breathing apparatus (Schedule 13).
Remove containers of pellets from fire area if possible to avoid degradation.

UNUSUAL FIRE AND EXPLOSION HAZARDS
Burns vigorously with intense heat.

IV. HEALTH HAZARD DATA

RECOMMENDED ROHM AND HAAS HEALTH GUIDE TWA (MAXIMUM TIME WEIGHTED AVERAGE CONCENTRATION FOR AN 8-HOUR WORK PERIOD)
Acrylic monomer – 50 ppm measured as MMA

EFFECTS OF OVEREXPOSURE
Polymer dust particles may cause minor eye and skin irritation as would any foreign body and may irritate the respiratory tract on prolonged or repeated contact.

Monomer vapors, given off at high temperatures, may cause irritation of the eyes and mucous membranes, nausea, headache, and dizziness.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION
Move subject to fresh air.

EYE AND SKIN CONTACT
Flush eyes with large amount of water for at least 15 minutes. Consult a physician if irritation persists. Wash affected skin areas with soap and water.

INGESTION
Material is inert and should not cause any harmful effects under normal circumstances.

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V. REACTIVITY DATA

STABILITY: [x] STABLE [ ] UNSTABLE

CONDITIONS TO AVOID: Depolymerizes to monomer rapidly at temperatures greater than 600F. Avoid contact with ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield oxides of carbon and acrylic monomers.

HAZARDOUS POLYMERIZATION: [ ] MAY OCCUR [x] WILL NOT OCCUR

CONDITIONS TO AVOID: NA

INCOMPATIBILITY (MATERIALS TO AVOID): [ ] WATER [ ] OTHER None

VI. SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep up and shovel into containers for recovery or disposal.
Consider reuse if not contaminated.

WASTE DISPOSAL METHODS

Incinerate in approved equipment or landfill according to local, state and federal regulations. May be handled as ordinary trash.

VII. SPECIAL PROTECTION INFORMATION

TYPE VENTILATION: Normal room ventilation. If overheating occurs during processing, exhaust ventilation should be provided.

RESPIRATORY PROTECTION: None required for normal operations.

PROTECTIVE GLOVES: Cotton or canvas

EYE PROTECTION: Safety glasses with side shields (ANSI Z87.1, 1968)

OTHER PROTECTIVE EQUIPMENT: Eyewash facility

VIII. STORAGE AND LABELING

STORAGE TEMPERATURE MAX. MIN.	INDOOR	HEATED	REFRIGERATED	OUTDOOR
	YES	NO	NO	YES

COMMENTS

Store at ambient temperatures.

IX. TOXICITY INFORMATION

X. MISCELLANEOUS INFORMATION

Plexiglas® is a registered trademark of Rohm and Haas Company.

NA = NOT APPLICABLE
C = CEILING VALUE

CODE: 3-1712

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.
VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSON PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT ADHERED TO AS STIPULATED IN THE DATA SHEET. ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THE MATERIAL EVEN IF REASONABLE SAFETY PROCEDURES ARE FOLLOWED. FURTHERMORE, VENDEE ASSUMES THE RISK IN HIS USE OF THE MATERIAL.

DATE OF ISSUE: 3/79

SUPERSEDES: 3/78

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FORM 930 REV. 4/78 (BACK)