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# U.S. DEPARTMENT OF LABOR

## Occupational Safety & Health Adm.

# MATERIAL SAFETY DATA SHEET

DPM 5066

## SECTION I

| | |
|---|---|
| MANUFACTURER'S NAME: Advanced Products DBA Advanced Coatings & Chemicals | EMERGENCY TELEPHONE NO.: (213) 579-6270 |
| ADDRESS (Number, Street, City, State, and ZIP Code): 2213 N. Tyler Ave., So. El Monte, California 91733 | |
| CHEMICAL NAME AND SYNONYMS: N/A | TRADE NAME AND SYNONYMS: URAFILM TFE Gray 3-1X-7 |
| CHEMICAL FAMILY: Polyurethane | FORMULA: Hardener Component 3-1H-3 3-1X-7 3-1W-21 White TFE |

## SECTION II HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % | TLV (Units) |
|---|---|---|---|---|---|
| PIGMENTS | | | BASE METAL | | |
| CATALYST Terminated Isocyanate Prepolymer | 13 | | ALLOYS | | |
| VEHICLE | | | METALLIC COATINGS | | |
| SOLVENTS See below | | | FILLER METAL PLUS COATING OR CORE FLUX | | |
| ADDITIVES | | | OTHERS | | |
| OTHERS | | | | | |

| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES | % | TLV (Units) |
|---|---|---|
| Butyl Acetate | 14 | 200 pp |
| Methyl Ethyl Ketone | 7 | 200 pp |
| Butyl Cellosolve Acetate | 5 | 150 pp |
| Cellosolve Acetate | 17 | 100 pp |
| Xylol | 2 | 200 pp |
| Toluol | 4 | 200 pp |

## SECTION III PHYSICAL DATA

| | | | |
|---|---|---|---|
| BOILING POINT (°F.) Not determined | | SPECIFIC GRAVITY ($H_2O$=1) (mixed) | 1.14 |
| VAPOR PRESSURE (mm Hg.) " " | | PERCENT VOLATILE BY VOLUME (%) | 62% |
| VAPOR DENSITY (AIR=1) " " | | EVAPORATION RATE (_____=1) | No determined |
| SOLUBILITY IN WATER Moderate | | | No applicable |
| APPEARANCE AND ODOR Resin - Gray liquid with characteristic solvent odor. Hardener - Clear liquid with characteristic solvent odor | | | |

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|---|---|---|
| FLASH POINT (Method used) Resin 25°F. TOC Hardener 90°F. TOC | FLAMMABLE LIMITS Not determined | Lel | Uel |

EXTINGUISHING MEDIA
Water fog, foam, $CO_2$ or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES
None

UNUSUAL FIRE AND EXPLOSION HAZARDS
Concentrated vapors may be explosive

DOT: PAINT, FLAMMABLE LIQUID

THRESHOLD LIMIT VALUE
See Section II

EFFECTS OF OVEREXPOSURE
Dizziness & possible nausea.

EMERGENCY AND FIRST AID PROCEDURES
For inhalation, remove victim from contentrated area & consult a physicia
For eye contact, irrigate eyes with water & consult a physician. For skin contact, wash thoroughly with soap & water. For accidental ingestion of liquid material, induce vomiting & consult a physician

## SECTION VI REACTIVITY DATA

| STABILITY | | | CONDITIONS TO AVOID |
|---|---|---|---|
| | UNSTABLE | | |
| | STABLE | x | |

INCOMPATABILITY *(Materials to avoid)*
None

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon monoxide & dioxide, nitrogen dioxide, aldehydes & hydrogen cyanide

| HAZARDOUS POLYMERIZATION | | | CONDITIONS TO AVOID |
|---|---|---|---|
| | MAY OCCUR | | |
| | WILL NOT OCCUR | x | |

## SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Clean-up may be accomplished with Cello-solve Acetate and/or MEK or other suitable solvent combination

WASTE DISPOSAL METHOD
Flush with water. Any solid residue may be burned.

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
Face mask or positive air pressure mask

| VENTILATION | LOCAL EXHAUST | SPECIAL |
|---|---|---|
| | x | |
| | MECHANICAL *(General)* | OTHER |

| PROTECTIVE GLOVES | EYE PROTECTION |
|---|---|
| No required | Goggles recommended |

OTHER PROTECTIVE EQUIPMENT
Remove all ignition sources.

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Shelf Life is 1 yr. minimum from date of mfg. when stored between 40°F. & 100°F. Do not contaminate material with water, alcohols, amines or acids.

OTHER PRECAUTIONS
Do not store or use near potential sources of ignition.