

AUG 03 1992



MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME: PPG INDUSTRIES, INC.
 PRODUCT CODE/IDENTITY: **6-B (041790M)**
 CUSTOMER PART#/NAME:
 PRODUCT TRADE NAME: SPEEDHIDE LATEX FLAT PAINTS
 CHEMICAL FAMILY: ACRYLIC

SHIPPING INFORMATION

US-DOT-SHIP.NAME/HAZ.CLASS: NOT REGULATED
 UN NUMBER: N/A

IN-PLANT HAZARD RATINGS

HEALTH= 3*
 FLAMMABILITY= 0
 REACTIVITY= 0

0=MINIMAL 1=SLIGHT 2=MODERATE 3=SERIOUS 4=SEVERE

*=CONTAINS INGREDIENT(S) WHICH MAY CAUSE (LONG-TERM) HEALTH EFFECTS

PRODUCT SAFETY INFO: 260 KAPPA DRIVE
 : PITTSBURGH, PA. 15238
 : (412) 492-5555
 : 1-800-441-9695

PGH. PAINTS INFO. OR MSDS: 1-800-245-2590, IN OH.(216) 671-0050
 AUTO REFINISH INFO. OR MSDS: (304) 843-1300

EMERGENCY MEDICAL INFO: (304) 843-1300
 EMERGENCY SPILL INFO: (304) 843-1300
 DATE OF MSDS PREPARATION: 6/04/90

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200), THE SUPPLIER NOTIFICATION REQUIREMENTS OF SARA TITLE III, SECTION 313, AND OTHER APPLICABLE RIGHT-TO-KNOW REGULATIONS. ABBREVIATIONS AND OTHER DESIGNATIONS USED ON THIS MATERIAL SAFETY DATA SHEET INCLUDE THE FOLLOWING:

U/I = UNKNOWN INFORMATION; N/A = NOT APPLICABLE; NOT ESTAB. = NOT ESTABLISHED; CERT. LTR. = CHEMICAL O.K. ON TSCA INVENTORY; CAS NO. NOT AVAILABLE

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

[FORMULA VALUES, NOT SALES SPECIFICATIONS]

BOILING RANGE: 100 - 274 DEG. C SOLUBILITY IN WATER: <67 %
 VAPOR PRESSURE: <18 mmHg WT/GAL (LBS): 9-12 (U.S.)
 VAPOR DENSITY: HEAVIER THAN AIR pH: U/I
 % VOL/VOLUME: <86 % SOLID BY WEIGHT: 45-49
 EVAP RATE(BuOAc=100): <35 SPECIFIC GRAVITY: 1.1 - 1.4
 ODOR/APPEARANCE: VISCOUS LIQUID WITH AN ODOR CHARACTERISTIC OF THE CHEMICAL FAMILY AND ANY SOLVENTS LISTED IN SECTION II.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

US-DOT CATEGORY: NOT APPLICABLE
 FLASHPOINT: NA DEG. F PMCC
 FLAMMABLE LIMITS: LEL NA UEL U/I

EXTINGUISHING MEDIA:

USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR UNIVERSAL AQUEOUS FILM FORMING FOAM) DESIGNED TO EXTINGUISH NFPA CLASS IIIB COMBUSTIBLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

CLOSED CONTAINERS MAY EXPLODE OR BURST (DUE TO THE BUILD-UP OF STEAM PRESSURE) WHEN EXPOSED TO EXTREME HEAT.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. WATER SPRAY MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. FIRE-FIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
 HAZARDOUS POLYMERIZATION: NOT EXPECTED TO OCCUR
 INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):
 AVOID CONTACT WITH STRONG ALKALIES, STRONG MINERAL ACIDS, OR STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS:

MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS WHEN HEATED. WELDING, BRAZING, OR FLAME-CUTTING ON SURFACES COATED WITH THIS PRODUCT MAY PRODUCE FUMES INCLUDING: Carbon Monoxide, Oxides of Nitrogen, Formaldehyde

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

PROVIDE MAXIMUM VENTILATION. ONLY PERSONNEL EQUIPPED WITH PROPER RESPIRATORY AND SKIN AND EYE PROTECTION SHOULD BE PERMITTED IN THE AREA. REMOVE ALL SOURCES OF IGNITION. TAKE UP SPILLED MATERIAL WITH SAWDUST, VERMICULITE, OR OTHER ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR DISPOSAL.

WASTE DISPOSAL METHOD:

WASTE MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTY CONTAINERS SHOULD BE RECYCLED OR DISPOSED OF THROUGH AN APPROVED WASTE MANAGEMENT FACILITY.

SECTION VII - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE FROM:

INGESTION:
 -HARMFUL OR FATAL IF SWALLOWED.

EYE CONTACT:
 -CAUSES EYE IRRITATION.

SKIN CONTACT:
 -MAY CAUSE SLIGHT SKIN IRRITATION.

INHALATION:
 -VAPOR AND SPRAY MIST MAY BE HARMFUL IF INHALED. -SANDING AND GRINDING DUSTS MAY BE HARMFUL IF INHALED.

CHRONIC OVEREXPOSURE:
 AVOID LONG TERM AND REPEATED CONTACT. -THIS PRODUCT CONTAINS TITANIUM DIOXIDE. ANIMALS INHALING MASSIVE QUANTITIES OF TITANIUM DIOXIDE DUST IN A LONG-TERM STUDY DEVELOPED LUNG TUMORS. STUDIES WITH HUMANS INVOLVED IN MANUFACTURE OF THIS PIGMENT INDICATE NO INCREASED RISK OF CANCER FROM EXPOSURE. POTENTIAL FOR INHALATION OF TITANIUM DIOXIDE DUSTS FROM COATINGS IS VERY LIMITED. SINCE OVEREXPOSURES ARE NOT EXPECTED, THERE IS NO SIGNIFICANT HAZARD FOR MAN. -THIS PRODUCT CONTAINS A FORM OF CRYSTALLINE SILICA WHICH IARC ASSOCIATES WITH AN INCREASED RISK OF CANCER IN LABORATORY ANIMALS. LONG-TERM EXPOSURES TO CRYSTALLINE SILICA MAY ALSO LEAD TO A DISABLING INJURY KNOWN AS SILICOSIS. THESE EFFECTS ARE ASSOCIATED WITH BREATHING EXCESSIVE AMOUNTS OF SILICA DUST. APPLICATION OF THIS PRODUCT IS NOT EXPECTED TO GENERATE EXCESSIVE AMOUNTS OF RESPIRABLE SILICA, SO THE POTENTIAL HAZARD FOR HUMANS IS LIMITED.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:
 -REDNESS, ITCHING, BURNING SENSATION AND VISUAL DISTURBANCES MAY INDICATE EXCESSIVE EYE CONTACT. -DRYNESS, ITCHING, CRACKING, BURNING, REDNESS, AND SWELLING ARE CONDITIONS ASSOCIATED WITH EXCESSIVE SKIN CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
 NOT APPLICABLE

SECTION VIII - FIRST AID PROCEDURES

INGESTION:
 IF SWALLOWED, DO NOT INDUCE VOMITING.

EYE CONTACT:
 IN CASE OF EYE CONTACT, FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SKIN CONTACT:
 IN CASE OF SKIN CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER FOLLOWED BY WASHING WITH SOAP AND WATER.

INHALATION:
 IF AFFECTED BY INHALATION OF VAPOR OR SPRAY MIST, REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION AND OTHER SUPPORTIVE MEASURES AS REQUIRED.

OTHER:
 IF ANY OF THE FOLLOWING OCCUR DURING OR FOLLOWING USE OF THIS PRODUCT, CONTACT A POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN IMMEDIATELY. HAVE MATERIAL SAFETY DATA SHEET INFORMATION AVAILABLE. *INGESTION *EXCESSIVE EXPOSURE TO A CORROSIVE MATERIAL * PERSISTENT SKIN/EYE IRRITATION OR BREATHING DIFFICULTIES.

SECTION IX - PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION:
 WEAR CHEMICAL-TYPE SPLASH GOGGLES.

SKIN PROTECTION:
 WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON AND GLOVES CONSTRUCTED OF: NITRILE, NEOPRENE, OR LATEX

RESPIRATORY PROTECTION:
 WHERE VENTILATION IS INADEQUATE, USE A SUITABLE RESPIRATOR.

OTHER EQUIPMENT:
 CLEAN OR DISCARD CONTAMINATED CLOTHING AND SHOES.

VENTILATION REQUIREMENTS:
 PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE CONCENTRATION OF INGREDIENTS LISTED IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMITS, THE LEL IN SECTION IV BELOW THE STATED LIMIT, AND TO REMOVE DECOMPOSITION PRODUCTS DURING WELDING OR FLAME CUTTING ON SURFACES COATED WITH THIS PRODUCT.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:
 DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS IIIB COMBUSTIBLE LIQUIDS. PROTECT FROM FREEZING.

OTHER PRECAUTIONS:
 IF THIS MATERIAL IS PART OF A MULTIPLE COMPONENT COATING SYSTEM, READ THE MATERIAL SAFETY DATA SHEET(S) FOR THE OTHER COMPONENT OR COMPONENTS BEFORE BLENDING AS THE RESULTING MIXTURE MAY HAVE THE HAZARDS OF ALL OF ITS PARTS.

906/B/IIIIII/604

| | |
|------|------|
| 6-B | |
| 6-70 | 6-84 |
| 6-76 | 6-85 |
| | 6-86 |



SECTION II - INGREDIENTS AND REGULATORY INFORMATION

| INGREDIENTS | CAS NUMBER | MAX % WEIGHT | ...SARA TITLE III & CERCLA CLASSIFICATIONS... | | | | | | | | | | |
|---|------------|--------------|---|-----------|-----------|----------|-----------|-----------------------------|---|---|---|---|---|
| | | | HS (102) | EHS (302) | TC+ (313) | RQ (LBS) | TPQ (LBS) | SARA 311/312 AC CH FL PR RE | | | | | |
| TITANIUM DIOXIDE # | 13463-67-7 | 10-15 | N | N | N | N/A | N/A | N | Y | N | N | N | N |
| CALCIUM CARBONATE | 1317-65-3 | 20-25 | N | N | N | N/A | N/A | N | N | N | N | N | N |
| ALUMINUM SILICATE | 1332-58-7 | 10-15 | N | N | N | N/A | N/A | N | N | N | N | N | N |
| SILICA, AMORPHOUS | 63231-67-4 | 2- 5 | N | N | N | N/A | N/A | N | N | N | N | N | N |
| WATER | 7732-18-5 | 60-65 | N | N | N | N/A | N/A | N | N | N | N | N | N |
| 2,2,4TRIMETHYL 1,3PENTANEDIOL ISOBUTYRATE | 25265-77-4 | 1- 2 | N | N | N | N/A | N/A | Y | N | N | N | N | N |
| FILM FORMERS, RESINS, AND ADDITIVES | NOT ESTAB. | 15-20 | N | N | N | N/A | N/A | N | Y | N | N | N | N |

*** OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS ***

| INGREDIENTS |ACGIH..... | |OSHA..... | |PPG-IPEL..... | |
|--------------------|-----------------|-----------|----------------|-----------|--------------------|-----------|
| | TLV-TWA | TLV-STEL | PEL-TWA | PEL-STEL | IPEL-TWA | IPEL-STEL |
| TITANIUM DIOXIDE # | 10 mg/m3 | NOT ESTAB | 15 mg/m3 | NOT ESTAB | 10 mg/m3 | NOT ESTAB |
| CALCIUM CARBONATE | 10 mg/m3 | NOT ESTAB | 15 mg/m3 | NOT ESTAB | 10 mg/m3 | NOT ESTAB |
| SILICA, AMORPHOUS | 10 mg/m3 | NOT ESTAB | 6 mg/m3 | NOT ESTAB | 5 mg/m3 | NOT ESTAB |

*** SARA 311/312 CATEGORIES FOR THIS PRODUCT ***

ACUTE=Y CHRONIC=Y FLAM=N PRESS=N REAC=N

*** PRODUCT STATUS RELATIVE TO THE US EPA TOXIC SUBSTANCES CONTROL ACT ***
 ALL CHEMICAL SUBSTANCES IN THIS PRODUCT COMPLY WITH ALL APPLICABLE RULES OR ORDERS UNDER THE ENVIRONMENTAL PROTECTION AGENCY'S TOXIC SUBSTANCES CONTROL ACT.

*** FOOTNOTES FOR SECTION II ***

CARCINOGENIC ACCORDING TO CRITERIA ESTABLISHED BY: * =NTP ** =IARC @ =OSHA # =OTHER

ORAL = LD50 ORAL (RAT), (g/kg) DERM = LD50 DERMAL (RABBIT), (g/kg) INHL = LC50 INHALATION (RAT), (Mg/L)

+ INGREDIENTS IN THE TC COLUMN ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III. SEE 40 CFR PART 372.