

MATERIAL SAFETY DATA SHEET
COATINGS AND RESINS GROUP

SECTION VII - HEALTH HAZARD DATA

SECTION I - PRODUCT INFORMATION

MANUFACTURER'S NAME: PPG INDUSTRIES, INC.
PRODUCT CODE/IDENTITY: **DTL16 (020590D)**
CUSTOMER PART#/NAME:
PRODUCT TRADE NAME: **ALL PURPOSE THINNER**
CHEMICAL FAMILY: **SOLVENT BLEND**

SHIPPING INFORMATION
US-DOT-SHIP.NAME\HAZ.CLASS: PAINT RELATED MATERIAL-FLAMMABLE LIQUID
UN NUMBER: UN1263

IN-PLANT HAZARD RATINGS
HEALTH= 2
FLAMMABILITY= 3
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: 4325 ROSANNA DR. P.O. BOX 9
ALLISON PARK, PA. 15101
(412) 492-5555
PGH. PAINTS INFO. OR MSDS: 1-800-441-9695
AUTO REFINISH INFO. OR MSDS: 1-800-245-2590, IN OH.(216) 671-0050
EMERGENCY MEDICAL INFO: (304) 843-1300
EMERGENCY SPILL INFO: (304) 843-1300
DATE OF MSDS PREPARATION: 7/27/90

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: 56 - 150 DEG. C SOLUBILITY IN WATER: 40.4%
VAPOR PRESSURE: 106.8mmHg WT/GAL (LBS): 6.67 (U.S.)
VAPOR DENSITY: HEAVIER THAN AIR pH: U/I
% VOL/VOLUME: 100.0 % SOLID BY WEIGHT: .01
EVAP RATE(BuOAc=100): 591 SPECIFIC GRAVITY: .80
ODOR/APPEARANCE: NON-VISCOUS LIQUID WITH AN ODOR CHARACTERISTIC OF THE SOLVENTS LISTED IN SECTION II.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

US-DOT CATEGORY: EXTREMELY FLAMMABLE
FLASHPOINT: 11 DEG. F PMCC
FLAMMABLE LIMITS: LEL 1.6 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 IB FLAMMABLE LIQUID FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY ON HOT SURFACES. TOXIC GASES MAY FORM WHEN PRODUCT IS CONTACTED BY FLAME OR HOT SURFACES.

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, INCLUDING: Carbon Monoxide,

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.

EFFECTS OF OVEREXPOSURE FROM:

INGESTION:

-HARMFUL OR FATAL IF SWALLOWED.

EYE CONTACT:

-CAUSES SEVERE EYE IRRITATION.

SKIN CONTACT:

-MAY CAUSE MODERATE SKIN IRRITATION. -MAY BE ABSORBED THROUGH THE SKIN.

INHALATION:

-VAPOR AND SPRAY MIST MAY BE HARMFUL IF INHALED. -VAPOR IRRITATES EYES, NOSE, AND THROAT. -REPEATED EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION OF THE RESPIRATORY SYSTEM AND PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. -INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS CAN BE HARMFUL OR FATAL.

CHRONIC OVEREXPOSURE:

AVOID LONG TERM AND REPEATED CONTACT.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

-EYE WATERING, HEADACHES, NAUSEA, DIZZINESS, AND LOSS OF COORDINATION ARE INDICATIONS THAT SOLVENT LEVELS ARE TOO HIGH. -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 OR FULL FACE SHIELD.

SKIN PROTECTION:

WEAR PROTECTIVE CLOTHING, INCLUDING IMPERMEABLE APRON AND GLOVES CONSTRUCTED OF: NITRILE RUBBER, NEOPRENE RUBBER OR POLYVINYL ALCOHOL

RESPIRATORY PROTECTION:

OVEREXPOSURE TO VAPORS MAY BE PREVENTED BY ENSURING VENTILATION CONTROLS, VAPOR EXHAUST OR FRESH AIR ENTRY. NIOSH/MSHA-APPROVED (TC-23C-) PAINT SPRAY OR AIR SUPPLIED (TC-19C-) RESPIRATORS MAY ALSO REDUCE EXPOSURE. READ RESPIRATOR MANUFACTURER'S INSTRUCTIONS AND LITERATURE CAREFULLY TO DETERMINE THE TYPE OF AIRBORNE CONTAMINANTS AGAINST WHICH THE RESPIRATOR IS EFFECTIVE AND HOW IT IS TO BE PROPERLY FITTED.

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 IN SECTION II BELOW THE LOWEST SUGGESTED EXPOSURE LIMIT, AND LEL IN SECTION IV BELOW STATED LIMIT.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

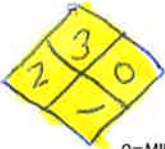
DO NOT STORE ABOVE 120 DEGREES F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED AND PROTECTED FOR STORAGE OF NFPA CLASS IB FLAMMABLE LIQUIDS.

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. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUIDS IN EXCESS OF A FEW INCHES.

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PAINTS
THINNER
SOLVENTS

Health: 2
Flammability: 3
Reactivity: 0

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SECTION II - INGREDIENTS AND REGULATORY INFORMATION

INGREDIENTS	CAS NUMBER	% WEIGHT	...SARA TITLE III & CERCLA CLASSIFICATIONS....										
			HS (102)	EHS (302)	TC+ (313)	RQ (1RS)	TPQ (1RS)	SARA 311/312					
									AC	CH	FL	PR	RE
ACETONE	67-64-1	25-30	Y	N	Y	5000	N/A	Y	N	Y	N	N	N
ISOPROPYL ALCOHOL, ANHYDROUS	67-63-0	5-10	N	N	Y	N/A	N/A	Y	N	Y	N	N	N
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	5-10	N	N	N	N/A	N/A	Y	N	Y	N	N	N
TOLUENE	108-88-3	20-25	Y	N	Y	1000	N/A	Y	N	Y	N	N	N
LIGHT ALIPHATIC SOLVENT NAPHTHA	64742-89-8	15-20	N	N	N	N/A	N/A	Y	N	Y	N	N	N
XYLENE	1330-20-7	15-20	Y	N	Y	1000	N/A	Y	N	Y	N	N	N

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

INGREDIENTSACGIH.....	OSHA.....	PPG-IPEL.....	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL	IPEL-TWA	IPEL-STEL
ACETONE	750 ppm	1,000ppm	1,000ppm	NOT ESTAB	750 ppm	1,000ppm
ISOPROPYL ALCOHOL, ANHYDROUS	400 ppm	500 ppm	400 ppm	NOT ESTAB	400 ppm	500 ppm
TOLUENE	100 ppm	150 ppm	200 ppm	300 ppm	100 ppm	150 ppm
XYLENE	100 ppm	150 ppm	100 ppm	NOT ESTAB	100 ppm	150 ppm

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

ACUTE=Y CHRONIC=N FLAM=Y 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 ***

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.