

MATERIAL SAFETY DATA SHEET
COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1 - CHEMICAL, PRODUCT, AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY: 61538

PRODUCT TRADE NAME: LUCITE INT/EXT HIGH GLOSS DEEP BASE

REVISION DATE: 01/30/04 (000) 0822

CUSTOMER PART #/NAME: Not applicable

CHEMICAL FAMILY: Acrylic

EMERGENCY MEDICAL/SPILL INFO: (304) 843-1300 (U.S.) 01-800-00-21-400 (MEXICO)

TECHNICAL INFORMATION: (513)576-3179

PRODUCT SAFETY/MSDS INFORMATION: 4325 ROSANNA DRIVE ALLISON PARK, PA 15101 (412) 492-5555

DATE OF MSDS PREPARATION: 02/13/04

PRIMARY HAZARD WARNING

Harmful if swallowed. May cause slight skin irritation. Causes severe eye irritation. Vapor and/or spray mist may be harmful if inhaled.

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.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	CARCINOGEN*
01	ETHYLENE GLYCOL	1 - <5	107-21-1	
02	TITANIUM DIOXIDE	5 - <10	13463-67-7	
03	DIPROPYLENE GLYCOL MONOBUTYL ETHER	1 - <5	29911-28-2	
04	DI-N-BUTYL PHTHALATE	1 - <5	84-74-2	

* Carcinogens: O=OSHA; A=ACGIH; N=NTP; I=IARC

SARA TITLE III & CERCLA CLASSIFICATIONS

REF	CERCLA HAZARDOUS SUBSTANCE RQ (LBS)	SARA EXTREMELY HAZ SUBSTANCE TPQ (LBS)	SARA 313	SARA 311/312				
				AC	CH	FL	PR	RE
01	5000 LBS	NOT ESTAB	Y	Y	Y	N	N	N
02	NOT ESTAB	NOT ESTAB	N	N	N	N	N	N
02	NOT ESTAB	NOT ESTAB	N					(TI COMPDS)
02	NOT ESTAB	NOT ESTAB	N					(AS TI)
03	NOT ESTAB	NOT ESTAB	N	Y	N	N	N	N
04	10 lbs	NOT ESTAB	Y	Y	Y	N	N	N

SARA 311/312 CATEGORIES FOR THIS PRODUCT: ACUTE= Y, CHRONIC= Y, FLAMMABILITY= N, PRESSURE= N, REACTIVITY= N

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING MATERIALS:

REF	ACGIH		U.S. OSHA	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL
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01	100 mg/m3	NOT ESTAB	C-	50 ppm	NOT ESTAB	
02	10 mg/m3	NOT ESTAB		10 mg/m3	NOT ESTAB	
02		NOT ESTAB			NOT ESTAB	(TI COMPDS)
02		NOT ESTAB			NOT ESTAB	(AS TI)
03	NOT ESTAB	NOT ESTAB		NOT ESTAB	NOT ESTAB	
04	5 mg/m3	NOT ESTAB		5 mg/m3	NOT ESTAB	

[C- Ceiling Limit; S- Potential Skin Absorption; R- Respirable Dust]

REF ACGIH TLV - BASIS - CRITICAL EFFECT(S)

01 irritation
 02 lung
 02 (TI COMPDS) ...NOT ESTAB.
 02 (AS TI) ...NOT ESTAB.
 03 NOT ESTAB.
 04 reproductive; irritation

[ACGIH TLV BASIS - CRITICAL EFFECT(S): CNS-CENTRAL NERVOUS SYSTEM;
 CVS-CARDIOVASCULAR SYSTEM; CWP-COAL WORKER'S PNEUMOCONIOSIS;
 GI-GASTROINTESTINAL] [NOT ESTAB.= NOT ESTABLISHED = NOT APPLICABLE] [NOT ESTAB.
 = NOT ESTABLISHED = NOT APPLICABLE]

PRODUCT STATUS RELATIVE TO THE U.S. EPA TOXIC SUBSTANCES CONTROL ACT

All chemical substances in this product are listed on the U.S. TSCA Inventory or are otherwise exempt from TSCA Inventory reporting requirements.

SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE FROM:

INGESTION: Harmful if swallowed.

EYE CONTACT: Causes severe eye irritation.

SKIN CONTACT: May cause slight skin irritation.

INHALATION: Vapor and/or spray mist may be harmful if inhaled.

CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. Ingestion of products containing ethylene glycol may damage kidneys and liver and has been shown to cause birth defects in laboratory animals. No evidence of these effects has been found in humans. 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 dibutyl phthalate (DBP). Oral administration of DBP to rats induced testicular atrophy and an increase in liver weights. It may also be mutagenic in in vitro tests. No evidence of these effects has been found in humans.

From irritations of overexposure to dryness, itching, burning, redness, and swelling 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 4 - FIRST AID MEASURES

IMPORTANT FIRST AID INFORMATION: If ingestion, irritation, any type of

overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available.

INGESTION: Gently wipe or rinse the inside of the mouth with water. Sips of water may be given if person is fully conscious. Never give anything by mouth to an unconscious or convulsing person. Do Not induce vomiting. Contact a poison control center, emergency room or physician right away as further treatment will be necessary.

EYE CONTACT: Remove contact lens and pour a gentle stream of warm water through the affected eye for at least 15 minutes. If irritation persists, contact a poison control center, emergency room, or physician as further treatment may be necessary.

SKIN CONTACT: Run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. If any symptoms persist, contact a poison control center, emergency room, or physician as further treatment may be necessary.

INHALATION: Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment information.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT: Not applicable (PENSKY-MARTENS CLOSED CUP)

FLAMMABLE LIMITS: Lower explosion limit (LEL): Not available

Upper explosion limit (UEL): Not available

EXTINGUISHING MEDIA: Use extinguishers appropriate for surrounding fire.

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 that are exposed to extreme heat. If water is used, fog nozzles are preferable. Firefighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal. Only the spilled material and the absorbant should be placed in this container.

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be washed or disposed of through an approved waste management facility.

SECTION 7 - HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Protect from freezing.

OTHER PRECAUTIONS: If this material is part of a multiple component 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.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION: Wear chemical-type splash goggles when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

SKIN PROTECTION: Wear protective clothing to prevent skin contact. Apron and gloves should be constructed of: neoprene rubber, nitrile rubber, or latex. No specific permeation/degradation testing have been done on protective clothing for this product. Recommendations for skin protection are based on infrequent contact with this product. For frequent contact or total immersion, contact a manufacturer of protective clothing for appropriate chemical impervious equipment.

RESPIRATORY PROTECTION: Where ventilation is inadequate, use a NIOSH- approved air purifying respirator with the appropriate chemical cartridges or positive-pressure, air-supplied respirator. Read the respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, its limitations, and how it is to be properly fitted and used.

OTHER EQUIPMENT: Clean 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 2 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

[FORMULA VALUES, NOT SALES SPECIFICATIONS]

BOILING RANGE: 212- 471Degrees F

SOLUBILITY IN WATER: 57.7 %

VAPOR PRESSURE: 17.3 mmHg

WEIGHT/GALLON (LBS): 9.06 (U.S.)

VAPOR DENSITY: Heavier than air

pH: Not determined

% VOLATILE/VOLUME: 65.890

% SOLIDS BY WEIGHT: 39.43

SPECIFIC GRAVITY: 1.087

EVAPORATION RATE(BuOAc=100): 33

ODOR/APPEARANCE: Viscous liquid with an odor characteristic of the chemical family and any solvents listed in Section 2.

SECTION 10 - STABILITY AND REACTIVITY

This product is normally stable and will not undergo hazardous reactions.

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID): Avoid contact with strong alkalies, strong mineral acids, or strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide ; carbon dioxide ; oxides of nitrogen ; nitrogen compounds ; lower molecular weight polymer fractions; Extreme heat includes, but is not limited to, flame cutting,

brazing, and welding.

Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) Ratings:

HMIS Rating		NFPA Rating	
HEALTH	2*	HEALTH	2
FLAMMABILITY	1	FLAMMABILITY	1
REACTIVITY	0	INSTABILITY	0

Rating System: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe, *=Chronic Effects.

Safe handling of this product requires that all of the information on the MSDS be evaluated for specific work environments and conditions of use.

TRANSPORTATION OF DANGEROUS GOODS

PROPER SHIPPING NAME: Environmentally Hazardous Substance Liquid, NOS

NOS TECHNICAL NAME: Di-N-Butyl Phthalate

HAZARD CLASS: 9

SUBSIDIARY CLASS: None

UN NUMBER: UN3082

PACKING GROUP: III

MARINE POLLUTANT: None

USA-RQ, HAZARDOUS SUBSTANCE: Di-N-Butyl Phthalate

USA-RQ, HAZARDOUS SUBSTANCE THRESHOLD SHIP WEIGHT: Di-N-Butyl Phthalate >603.01 Pounds

USA Shipments Only - RQ Threshold Ship Weight: This is the total weight of this product that must be shipped to exceed the RQ quantity.

USA Shipments Only - This material contains a U.S. DOT Hazardous Substance and is only regulated for shipments to or from the USA as Environmentally Hazardous Substance if the container size exceeds the RQ Threshold Ship Weight.

THIS IS THE END OF THE MSDS FOR: 61538 (00281971.00152-200)

Manufactured and Supplied by:

ARCHITECTURAL FINISHES, INC.

ONE PPG PLACE

PITTSBURGH, PA 15272

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