

MATERIAL SAFETY DATA SHEET

HEALTH: 2
 FLAMMABILITY: 3
 REACTIVITY: 0



SECTION 1 - PRODUCT AND COMPANY INFORMATION

Refinish Products
 19099 Progress Drive
 Strongsville, OH 44149

EMERGENCY PHONE NUMBERS (412) 434-4515 (U.S.)
 (24 hours/day):

(514) 645-1320 (Canada)
 01-800-40-21-400 (Mexico)
 0532-83880000 (China)

TECHNICAL INFORMATION: (440) 572-2800

PRODUCT SAFETY/MSDS INFORMATION: (412) 492-5555 7:00 a.m. - 4:30 p.m. EST

Product ID: DCCB330 (0808)
 PRODUCT NAME: ACRYLIC URETHANE BLACK
 SYNONYMS: None
 ISSUE DATE: 04/14/2008
 EDITION NO.: 2
 CHEMICAL FAMILY: Acrylic

SKIN CONTACT:

May cause moderate skin irritation. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

SKIN ABSORPTION:

May be absorbed through the skin.

INHALATION:

Vapor and/or spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and throat.

INGESTION:

Harmful if swallowed.

SIGNS & SYMPTOMS OF OVEREXPOSURE:

Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

CHRONIC OVEREXPOSURE EFFECTS

Avoid long-term and repeated contact.

Repeated exposure to vapors above recommended exposure limits (see Section 9) 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. This product contains toluene. Toluene inhalation in animals (greater than 1500 ppm) and intentional inhalation of toluene-containing products by humans (e.g. glue) has caused adverse fetal development effects. High exposures to xylenes in some animal studies have been reported to cause health effects on the developing embryo and fetus. These effects were often at levels toxic to the mother.

The effects of long term, low level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the prevention of all contact with this material to avoid any effects from repetitive acute exposures. See Section 11, of this MSDS for a detailed list of chronic health effects information available on individual ingredients in this product.

EMERGENCY OVERVIEW:

Flammable. Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, and other sources of ignition during use and until all vapors/odors are gone. CAUSES SEVERE EYE IRRITATION. MAY CAUSE MODERATE SKIN IRRITATION. MAY BE ABSORBED THROUGH THE SKIN. VAPOR AND/OR SPRAY MIST MAY BE HARMFUL IF INHALED. VAPOR IRRITATES EYES, NOSE, AND THROAT. HARMFUL IF SWALLOWED.

SECTION 2 - COMPOSITION INFORMATION

The following ingredient(s) marked with an "X" are considered hazardous under applicable U.S. OSHA and/or Canadian WHMIS regulations. If no ingredients are listed, then there are no U.S. OSHA and/or Canadian WHMIS hazardous ingredients in this product.

Material CAS Number	Percent	Hazardous	
N-BUTYL ACETATE 123-86-4	10 - 30	X	
XYLENES 1330-20-7	7 - 13	X	
METHYL ETHYL KETONE 78-93-3	1 - 5	X	
METHOXY-2-NONYL ACETATE 109-85-8	1 - 5	X	
ETHYL BENZENE 100-41-4	1 - 5	X	
CARBON BLACK #333-85-4	1 - 5	X	
2-BUTOXYETHYL ACETATE 112-07-2	0.5-1.5	X	
TOLUENE 100-99-7	0.5-1.6	X	
(As Glycol ethers) 112-01-2	*	X	See Section 6 and 15 for information.

SECTION 4 - FIRST AID MEASURES

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persist after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately. Have Material Safety Data Sheet information available.

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:

Rinse 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 asymptomatic, contact a poison control center, emergency room or physician for treatment information.

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.

SECTION 3 - HAZARDS IDENTIFICATION

ACUTE OVEREXPOSURE EFFECTS

EYE CONTACT:

Causes severe eye irritation. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: 73 Degree F (23 Degree C)

FLASHPOINT TEST METHOD:

Pensky-Martens Closed Cup

UEL: Not Available.

LEL: 1.6

AUTOMATIC TEMPERATURE:

Not Available.

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 IC flammable liquid fires. 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.

PROTECTION OF FIREFIGHTERS:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Keep this product away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors, static electricity). Invisible vapors can travel to a source of ignition and flash back. Do not smoke while using this product. Keep containers tightly closed when not in use. Closed containers may explode when overfilled. Do not apply to hot surfaces. Toxic gases may form when this product comes in contact with extreme heat. May produce hazardous decomposition products when exposed to extreme heat. Extreme heat includes, but is not limited to, flame cutting, brazing, and welding.

SECTION 6 - ACCIDENTAL RELEASE MEASURE

STEPS TO BE TAKEN IF 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 absorbent should be placed in this container.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE:

Vapors may collect in low areas. 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. Containers should be grounded when pouring. Avoid free fall of liquids in excess of a few inches.

STORAGE:

Do not store above 120 degrees F.(46 degrees C.). Store large quantities in buildings designed and protected for storage of NFPA Class IC flammable liquids.

SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 8 below the lowest suggested exposure limits, the LEL, below the stated limit, and to remove decomposition products during welding or flame cutting.

PERSONAL PROTECTIVE EQUIPMENT

EYES:

Wear chemical-type splash goggles and full face shield when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

SKIN/CLOVES:

Wear protective clothing to prevent skin contact. Apron and gloves should be constructed of neoprene rubber or nitrile rubber. 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. Clean contaminated clothing and shoes.

RESPIRATOR:

Overexposure to vapors may be prevented by ensuring proper ventilation controls, vapor exhaust or fresh air entry. A NIOSH-approved air purifying respirator with the appropriate chemical cartridges or a positive-pressure, air supplied respirator may also reduce exposure. 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. 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.

GENERAL HYGIENE - ESTABLISHED EXPOSURE LIMITS

If Threshold Limit Values (TLVs) have been established by ACGIH, OSHA, Ontario or PPG, they will be listed below. These limits are intended for use in the practice of industrial hygiene as guidelines or recommendations in the control of potential workplace health hazards. These limits are not a relative index of toxicity and should not be used by anyone without industrial hygiene training.

Material/ CAS Number	Percent	ACGIH TLY	ACGIH STEL	OSHA PEL	OSHA STEL
N-BUTYL ACETATE 123-88-4	10-50	150 PPM	200 ppm	150 ppm	200 ppm
XYLENES 1330-20-7	7-15	100 ppm	150 ppm	100 ppm	150 ppm
METHYL ETHYL KETONE 78-20-3	1-5	200 ppm	300 ppm	250 ppm	300 ppm
ETHYL BENZENE 100-41-4	1-5	100 ppm	125 ppm	100 ppm	125 ppm
CARBON BLACK 1333-88-4	1-5	3.5 mg/m ³	Not established	3.5 mg/m ³	Not established
2-BUTOXYETHYL ACETATE 112-07-2	0.5-1.5	20 PPM	Not established	Not established	Not established
TOLUENE 108-88-3	0.5-1.5	5- 60 ppm	Not established	100 ppm	150 ppm

Material/ CAS Number	Percent	Ontario TLV	Ontario STEL	PPG PEL	PPG STEL
N-BUTYL ACETATE 123-88-4	10-50	150 ppm	200 ppm	Not established	Not established
XYLENES 1330-20-7	7-15	100 ppm	150 ppm	Not established	Not established
METHYL ETHYL KETONE 78-20-3	1-5	200 ppm	300 ppm	Not established	250 PPM
1-METHOXY-2- PROPYL ACETATE 109-65-6	1-5	50 PPM	Not established	100 ppm	Not established
ETHYL BENZENE 100-41-4	1-5	100 PPM	125 PPM	Not established	Not established
CARBON BLACK 1333-88-4	1-5	3.5 mg/m ³	Not established	Not established	Not established
2-BUTOXYETHYL ACETATE 112-07-2	0.5-1.5	5- 20 PPM	75 PPM	25 PPM	Not established
TOLUENE 108-88-3	0.5-1.5	50 PPM	Not established	Not established	Not established

Key: ACGIH=American Conference of Governmental Industrial Hygienists; OSHA=Occupational Safety and Health Administration; TLV=Threshold Limit Value; TWA=Time Weighted Average; PEL=Permissible Exposure Limit; IHL=Internal Hemispherical Exposure Limit; Ceiling=TLV or PEL Ceiling Limit; STEL=(TLV or PEL Short-Term Exposure Limit; Skin= Skin Absorption Designation; [C]=Ceiling Limit; S=Potential Skin Absorption; H=Respirable Dust
Additional Information Not applicable.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

(FORMULA VALUES, NOT SALES SPECIFICATIONS)

SPECIFIC GRAVITY: .994
PHYSICAL STATE: Liquid
Percent Solids: 48.43
Percent Volatile by Volume: 57.840
pH: Not available.
ODOR THRESHOLD: Not available.
Vapour Pressure: 13.4 mmHg
ODOR/APPEARANCE: Viscous liquid with an odor characteristic of the solvents listed in Section 9.
VAPOR DENSITY: HEAVIER THAN AIR
Evaporation Rate: 123
BOILING POINT OR RANGE: 172 - 388Degrees F
Freezing Point or Range: Not Applicable.
Melting Point or Range(°C): Not Applicable.
Partition coefficient (n-octanol/water): Not Applicable.
WEIGHT PER GALLON: 8.26 (U.S.) / 9.9 (IMPERIAL)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: This product is normally stable and will not undergo hazardous reactions.
CONDITIONS TO AVOID: None Known.
INCOMPATIBLE MATERIALS: Avoid contact with strong alkalis, strong mineral acids, or strong oxidizing agents.
HAZARDOUS POLYMERIZATION: None Known.
HAZARDOUS DECOMPOSITION PRODUCTS:
- Carbon monoxide - Carbon dioxide - Lower molecular weight polymer fractions

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Material/ CAS Number	Percent	OSHA LD50 (g/kg)	IPHMAL LD50 (g/kg)	INHALATION LC50 (mg/L)
N-BUTYL ACRYLATE 125-98-1	10 - 30	13.77 g/kg	17.00 g/kg	Not Available
XYLLENES 130-20-7	7 - 10	4.30 g/kg	1.73 g/kg	21.85 g/L 4 hr.
METHYL ETHYL KETONE 75-93-3	1 - 5	2.74 g/kg	13.00 g/kg	Not Available
1-ETHOXY-2- PROPYL ACETATE 108-66-6	1 - 5	9.69 g/kg	Not Available	Not Available
ETHYL DIMETHYL 100-11-1	1 - 5	3.00 g/kg	17.80 g/kg	Not Available
CARBON BLACK 1333-86-4	1 - 5	15.40 g/kg	9.00 g/kg	Not Available
2-BUTOXYETHYL ACETATE 112-07-2	0.5-1.5	1.80 g/kg	1.48 g/kg	Not Available
TOLUENE 108-88-3	0.5-1.5	.89 g/kg	9.38 g/kg	12.30 g/L 4 hr.

CHRONIC TOXICITY

Ingredient Target Organ/Chronic Effects:

- Bone marrow and blood tissues - Blood - Carcinogen - Kidney - Liver - Embryotoxin - Teratogen - Brain - Central nervous system - Lung

Mutagenicity Toxicity:

This has not been tested for this product.

Reproductive Toxicity:

This has not been tested for this product.

SUPPLEMENTAL HEALTH INFORMATION:

Material/ CAS Number	Percent	Ingredient Specific Animal Data:
METHYL ETHYL KETONE 75-93-3	1 - 5	This product contains methyl ethyl ketone (MEK). MEK has been shown to cause fetal embryotoxic/teratogenic effects in laboratory animals exposed for prolonged periods at high concentrations via inhalation. The potential for human exposure to high concentrations is expected to be low due to the irritating effects of MEK at low concentrations.
ETHYL BENZENE 100-41-4	1 - 5	Ethylbenzene has been reported by NTP to cause cancer in laboratory animals following a chronic (2 year) inhalation exposure. Dose levels of 75, 250 and 750 ppm were used, with evidence of carcinogenicity found in the kidneys of rats and the lung and liver of mice at 750 ppm. The No Observed Effect Level (NOEL) was 75 ppm. The relevance of these findings to humans is uncertain, but appropriate safeguards should be employed to reduce or eliminate inhalation exposure to ethylbenzene.
CARBON BLACK 1333-86-4	1 - 5	This product contains carbon black which has been rated an IARC 2B carcinogen due to animal data.
2- BUTOXYETH- YL ACETATE 112-07-2	0.5-1.5	This product contains an ethylene series glycol ether and/or acetate which has been shown to cause adverse effects on the kidneys, liver, blood and/or blood-forming tissue. Possible cancer hazard. Long-term exposure to an ingredient(s) in this product has produced tumors in laboratory animals.

SECTION 12 - ECOLOGICAL INFORMATION

POTENTIAL ENVIRONMENTAL EFFECTS

Ecotoxicity: No Information Available.

ENVIRONMENTAL FATE

Mobility: No information available.

Biodegradation: No information available.

Bioaccumulation: No Information Available.

PHYSICAL/CHEMICAL

Hydrolysis: No information available.
Photolysis: No information available.

Health (acute): Yes
Health (chronic): Yes
Fire (flammable): Yes
Pressure: No
Reactivity: No

WHMIS HAZARD CLASS: - Class B, Division 2 - Class B, Division 2, Subdivision A - Class D, Division 2, Subdivision B

SECTION 13 - DISPOSAL CONSIDERATIONS

Provide maximum ventilation, only personnel equipped with proper respiratory and skin and eye protection should be permitted in the area. Pick up spilled material with sawdust, vermiculite, or other absorbent material and place in containers for disposal. Waste material must be disposed of in accordance with federal, state, province and local environmental control regulations. Empty containers should be recycled by an appropriately licensed reconditioner/salvager or disposed of through a permitted waste management facility. Additional disposal information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

STATE/PROVINCIAL REGULATIONS

CALIFORNIA PROP. 65: WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

Additional Information

Material/ CAS Number	Percent	IARC	IARC	IARC	ACGIH	NTP	OSHA
		Group 1/Kno wn Human Carc.	Group 2A (Proba ble Carc.)	2B (Suspec ted Carc.)	Carc.	Known Carc.	Carc.
ETHYL BENZENE 100-41-1	1-5	N	N	Y	N	N	Y
CARBON BLACK 1332-86-4	1-5	N	N	Y	N	N	Y

SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name: Paint
NOS Technical Name: None
Hazard Class: 3
Subsidiary Class(es): None
UN Number: UN1263
Packing Group: III

USA - RQ Hazardous Substances: Xylenes, N-Butyl Acetate
USA-RQ Hazardous Substance: Xylenes>827.73 Pounds, N-Butyl
Threshold Ship Weight: Acetate>22104.36 Pounds
Marine Pollutant Name: None

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

Key: IARC- International Agency on the Research of Cancer; ACGIH- American Conference of Governmental Industrial Hygienists; NTP- National Toxicology Program *Denotes chemical as NTP Known Carcinogen; + Denotes NTP Possible Carcinogen; OSHA- Occupational Safety and Health Administration.

SECTION 16 - OTHER INFORMATION

Hazard Rating Systems

NFPA Rating: 2-30
HMIS Rating: 2-30

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

HMIS=Hazardous Materials Identification System; NFPA-National Fire Protection Association

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

PREPARED BY: Product Safety Department
REASON FOR REVISION: Section 14 has been updated.
Updated MSDS format.

This Material Safety Data Sheet has been prepared in accordance with Canada's Workplace Hazardous Materials Information System (WHMIS) and 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.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

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*** END OF MSDS ***

SECTION 15 - REGULATORY INFORMATION

INVENTORY STATUS

U.S. TSCA: This product and/or all of its components are listed on the U.S. TSCA Inventory or is otherwise exempt from TSCA inventory reporting requirements.

FEDERAL REGULATIONS

US Regulations

Material/ CAS Number	Percent	OSHA HCS - RD (LBS)	SARA EHS- TPQ (LBS)	SARA 313
ETHYL ACETATE 122-66-4	10-30	8000 lbs	Not Listed	Not Listed
XYLENES 1330-20-7	7-19	100 lbs	Not Listed	Listed
METHYL ETHYL KETONE 78-66-3	1-5	5000 lbs	Not Listed	Not Listed
1-METHOXY-2- PROPYL ACETATE 100-65-8	1-5	Not Listed	Not Listed	Not Listed
ETHYL BENZENE 100-41-4	1-5	1000 lbs	Not Listed	Listed
CARBON BLACK 1332-86-4	1-5	Not Listed	Not Listed	Not Listed
2-BUTOXYETHYL ACETATE 112-07-2	0.5-1.5	Not Listed	Not Listed	Not Listed
TOLUENE 105-90-3	0.6-1.0	1000 lbs	Not Listed	Listed
(As Specified in 112-07-2)	*	Not Listed	Not Listed	Listed

SARA 311/312