

Bortz Products

MATERIAL SAFETY DATA SHEET

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BORTZ PRODUCTS

4545 Ardine Street

South Gate, Ca. 90280

Business Day Phone Number: 1-323-562-9500

Emergency 24 Hour Phone: 1-800-424-9300 (Chemtrec)

This MSDS complies with 29CFR 1910.1200 (Hazard Communication Standard). **IMPORTANT: Read this MSDS before handling and disposing of this product.** PASS THIS INFORMATION ON TO EMPLOYEES, CUSTOMER AND USERS OF THIS PRODUCT.

SECTION 1 - CHEMICAL PRODUCT IDENTIFICATION

Lacquer Thinner 666B

5 Gallon	Product I.D. number (UPC)	28236 20050
Gallon	Product I.D. number (UPC)	28236 20010
Quart	Product I.D. number (UPC)	28236 20040
Pint	Product I.D. number (UPC)	28236 20080

SECTION 2 - INGREDIENT & REGULATORY INFORMATION

All components of this product are on the TSCA list.

SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION

This product contains the indicated (*) toxic chemical's subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SARA TITLE III INGREDIENTS

MATERIAL	CAS#	WT%	REG. SECTION
Light Aliphatic Solvent Naphtha	64742-89-8	N/A	(313,312)
Acetone*	67-64-1	N/A	(311,312)
Toluene*	108-88-3	11	(311,312,313, RCRA)
2-Butoxyethanol*	111-76-2	8	(313)
N Butyl Acetate	123-86-4	N/A	(313,312)
Methyl Ethyl Ketone*	78-93-3	6	(311,312,313, RCRA)
Isopropanol	67-63-0	N/A	(311,312)
Methanol *	67-56-1	4	(311,312,313, RCRA)

SARA SECTION 312/313 HAZARDS: Acute Health, Chronic Health, Fire

MATERIAL	CAS#	TWA+ (OSHA)	TLV (ACGIH)
Light Aliphatic Solvent Naphtha	64742-89-8	500 ppm	300 ppm
Toluene	108-88-3	200 ppm	50 ppm
Acetone **	67-64-1	1000ppm	500ppm
2-Butoxyethanol **	111-76-2	50ppm	20ppm
Isopropanol	67-63-0	400 ppm	200 ppm
Methanol **	67-56-1	200ppm	200ppm

** indicates HAP

MATERIAL	CAS#	CEILING	STEL (OSHA/ACGIH)
Light Aliphatic Solvent Naphtha	64742-89-8	None Known	750 ppm
Acetone	67-64-1	None Known	750 ppm
Isopropanol	67-63-0	None Known	500 ppm
Methanol	67-56-1	None Known	250 ppm

<i>MATERIAL</i>	<i>CAS#</i>	<i>LOWEST KNOWN LETHAL DOSE DATA</i>
Ethylene Glycol Butyl Ether	111-76-2	Lowest Known LD50 (Oral) 320.0 mg/kg (Rabbits)
Ethylene Glycol Butyl Ether	111-76-2	Lowest Known LD50 (Vapor) 700.0 mg/kg (Mice)
Ethylene Glycol Butyl Ether	111-76-2	Lowest Known LD50 (Skin) 440.0 mg/kg (Rabbits)

HAZARDS: HEALTH CODE: 2, FLAMMABILITY CODE: 3, REACTIVITY CODE: 0
HAZARD RATINGS: LEAST-0, SLIGHT-1, MODERATE-2, HIGH-3, EXTREME-4

CALIFORNIA PROPOSITION 65: This product contains the following chemical known to the State of California to cause cancer & reproductive toxicity: Benzene, Toluene

SECTION 3. HAZARD IDENTIFICATION

THRESHOLD LIMIT VALUE: 130.0 ppm (Evaporated Blend)

CONTAINS : PETROLEUM NAPHTHA, ACETONE, TOLUENE, 2 BUTOXYETHANOL,
N-BUTYL ACETATE, METHYL ETHYL KETONE,, ISOPROPANOL, METHANOL
DANGER!

EXTREMELY FLAMMABLE! VAPORS CAN CAUSE FLASH FIRE

ACUTE HAZARDS

EYE & SKIN CONTACT: Primary irritation to skin, defatting, dermatitis. Absorption through skin increases exposure. Primary irritation to eyes: redness, tearing and blurred vision. Liquid can cause irritation. Wash thoroughly after handling.

INHALATION: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression that can cause death. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Repeated exposure over TLV can cause blindness.

SWALLOWING: Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

SUBCHRONIC HAZARDS: Absorption through skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus. Chronic overexposure can cause damage to kidney, blood, nerves, liver and lungs.

CONDITIONS AGGRAVATED: Persons with severe skin, liver, heart, lung, or kidney problems should avoid use.

CHRONIC HAZARDS / CANCER HAZARDS

CANCER HAZARD: Potential Cancer Hazard based on test with laboratory animals using Toluene. Tumors have been reported in laboratory animals. Overexposure may create cancer risk. This product may contain less than 79 ppm of Benzene. Not considered hazardous in such low concentrations. Studies with laboratory animals indicate this product can cause damage to fetus.

SECTION 4. FIRST AID MEASURES AND PROCEDURES

EYE CONTACT: For eyes, immediately flush with plenty of water for at least 15 minutes & call Physician.

SKIN CONTACT: In case of contact with skin wash thoroughly with soap and water. Wash contaminated clothing before reuse. (May need to discard contaminated shoes)

INHALATION: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration. CALL A PHYSICIAN IMMEDIATELY!

SWALLOWING: If swallowed, induce vomiting promptly using physician's instructions or by having patient stick finger down throat. After vomiting has been induced, give two teaspoons of baking soda in a glass water. CALL A PHYSICIAN IMMEDIATELY! Never give anything by mouth to an unconscious person. Have patient lie down and keep warm. Cover eyes to exclude light.

SECTION 5. FIRE FIGHTING MEASURES

LOWER FLAMMABLE LIMIT IN AIR (% by volume) 1.7 (lowest component)
FLASH POINT (test method) : -16C/ 2F (TCC) (lowest component)
FLAMMABILITY CLASSIFICATION Class 1B
EXTINGUISHING MEDIA: NFPA Class 1B Extinguishers (Carbon Dioxide or foam) for Class 1B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with shield, bunker coats, gloves and rubber boots). Use NIOSH approved positive-pressure self-containing breathing apparatus.

UNUSUAL EXPLOSION PROCEDURES: EXTREMELY FLAMMABLE! Vapors may cause flash fire. Keep container tightly closed. Isolate from heat, sparks, electric equipment and open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Empty container very hazardous! Continue all label precaution.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK: Stop spill at source. Dike area and contain. Clean up remainder with absorbent materials. Mop up and dispose of. Persons without proper protection should be kept away from area until cleaned up.

WASTE DISPOSAL METHOD: Recycle or dispose of observing local, state and federal health, safety and pollution laws. If questions exist, contact the appropriate agencies.

OTHER PRECAUTIONS: Vapors may ignite explosively and spread long distances. Prevent vapor build-up. Put out pilot lights and turn off heaters, electric equipment and other ignition sources during use and until all vapors are gone. Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw drill, braze, or weld.

SECTION 7. HANDLING AND STORAGE

HANDLING: Isolate from heat, sparks, electric equipment and open flame. Use only with adequate ventilation. Avoid breathing of vapor or vapor mist. Do not get in eyes, on skin or clothing. Wear OSHA standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Static electricity may accumulate and create a fire hazard. Ground containers when transferring. Do not flame cut, saw, drill, braze or weld. Empty container very hazardous! Continue all label cautions!

STORAGE: Vapors may ignite explosively and spread long distances. Prevent vapor build-up. Put out pilot lights and turn off heaters, electric equipment and other ignition sources during use and until all vapors are gone. Do not store above 49C / 120F. Store large amounts in structures made for OSHA Class1B liquids. Keep container tightly closed and upright when not in use to prevent leakage. Continue all label cautions!

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Ventilate to keep vapors of this material below 65 ppm. If over TLV, in accordance with 29 CFR 1910.134. Use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion proof equipment.

VENTILATION:

LOCAL EXHAUST:	NECESSARY
MECHANICAL (GENERAL)	ACCEPTABLE
SPECIAL:	NONE
OTHER:	NONE

PERSONAL PROTECTIONS: Wear OSHA standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

SECTION 9. PHYSICAL DATA

APPEARANCE:	Liquid, Water-White
ODOR:	Ketone
BOILING RANGE:	56 80 172C / 133 177 342F
GRAVITY @ 60F	
API	48.6
SPECIFIC GRAVITY (water=1)	.785
POUNDS/GALLON	6.543
TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC) (G/L) 7	785.0
NON EXEMPT VOC'S (G/L)	642.9
HAZARDOUS AIR POLLUTANTS (G/L)	242.4
VAPOR PRESSURE (mm of hg) @20c	74.4
NON EXEMPT VOC PARTIAL PRESSURE (mm of hg @ 20c)	28.4
VAPOR DENSITY (air = 1)	2.7
WATER ABSORPTION	appreciable
% VOLATILE BY VOLUME	100.0
SOLVENCY PARAMETERS:	
HKB	22.7
PKB	36.2
DKB	41.1
REFRACTIVE INDEX	1.413

SECTION 10. REACTIVITY DATA

STABILITY.

Stable

CONDITIONS TO AVOID:

Isolate from oxidizers, heat, sparks, electric equipment and open flame.

MATERIALS TO AVOID:

Isolate from strong oxidizers such as permanganates, chromatics and peroxides.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide and Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION

Will not occur

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