



MATERIAL SAFETY DATA SHEET

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PRODUCT AND MANUFACTURE IDENTIFICATION INFORMATION

Date: 5/1/00 Updated: 3/1/2015

Product: LG1000 - Self Leveling and Vertical Grade

Use/Class: Coating

COMPOSITION & INFORMATION

Item	Chemical Name	CAS Number	WT % Less Than
01	Calcium Oxide	1305-78-8	10%
02	Talc	14807-96-6	30%
03	Silica Quartz	14808-60-7	1%
04	Toluene Diisocyanate	25471-62-5	<.05%
05	Naphtha – Light Aromatic	64742-95-6	5%
06	Mineral Spirits	8052-41-3	15%
07	Asphalt Petroleum	8052-42-4	15%
08	1/2/4 Trimethyl Benzene	95-63-6	5%

EXPOSURE LIMITS

Item	ACGIH		OSHA		COMPANY	
	TLV – TWA	TLV - STEL	PEL – TWA	PEL – Ceiling	TLV – TWA	SKIN
01	2 mg/m ³	N.E.	5 mg/m ³	N.E.	N.E.	No
02	2 mg/m ³	N.E.	2 mg/m ³	N. E.	N.E.	No
03	1 mg/m ³	N.E.	1 mg/m ³	N. E.	N. E.	No
04	.04 mg/m ³	.15 mg/m ³	.04 mg/m ³	.15 mg/m ³	N.E.	No
05	N.E.	N.E.	435 mg/m ³	N.E.	N.E.	No
06	100 ppm	N.E.	525 mg/m ³	N.E.	N.E.	No
07	5 mg/m ³	N.E.	125 mg/m ³	N.E.	N.E.	No

Effects Of Overexposure

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Repeated or prolonged contact with skin may cause sensitization.

INHALATION: Harmful if inhaled. Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor.

INGESTION: Irritating to mouth, throat and stomach

CHRONIC HAZARDS: This product contains solvents. Reports associate repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Reports also indicate that solvents cause liver damage, kidney damage, and mucous membrane irritation. Be warned that intentional misuse by deliberately inhaling the vapors and/or the product contents (a process often called "sniffing") may be harmful or fatal. Preexisting respiratory or skin conditions may be aggravated by exposure. This product may contain a small amount (<0.1% I of toluene diisocyanate. NIOSH, NTP and IARC list toluene diisocyanate as a suspected carcinogen. Note also that prolonged repeated exposure to isocyanates can lead to skin sensitivity. For persons so sensitized even brief exposures to the isocyanate can produce reddening, swelling, rash, or blisters. Similarly, prolonged and repeated exposure to isocyanates can lead to respiratory sensitization. In such individuals brief exposures to isocyanates at levels well below the TLV can produce chemical asthma, and nonspecific asthmatic conditions. This product contains silicon dioxide [quartz] which has been listed as a suspected human carcinogen by NTP and IARC.

PRIMARY ROUTE(S) OF ENTRY: Skin contact, inhalation and eye contact.

FIRST AID MEASURES

EYE CONTACT: Flush eye with water for 15 minutes. Get medical attention.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomit into lungs.

FIRE FIGHTING AND SAFETY MEASURES

FLASH POINT: 120 F
(PENSKY-MARTENS C.C.)

AUTOIGNITION TEMPERATURE:

EXTINGUISHING MEDIA:

LOWER EXPLOSIVE LIMIT: 0.9%

UPPER EXPLOSIVE LIMIT: 7.0 %

N/D

CO2 - DRY CHEMICAL FOAM - WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Fire produces irritating or poisonous gas. Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, WELD, CUT, BRAZE, SOLDER, GRIND, DRILL, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH. Solid stream of water or foam may cause frothing. Direct stream of water into hot burning material will cause splattering.

SPECIAL FIREFIGHTING PROCEDURES:

May be ignited by heat, flame or sparks. Keep containers exposed to fire cool with water spray. Containers can build up pressure if exposed to heat (or fire). Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved) and full protective gear.

- **IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate the area and remove all sources of ignition. Evacuate unnecessary personnel. Handle large spills carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled liquid. Absorb spill with inert material such as dry sand or earth. Then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.
- **HANDLING:** Use only in a well ventilated area. Keep out of reach of children. Ground and bond containers when transferring material. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- **STORAGE:** Keep away from heat, sparks and flame. when not in use. Keep container closed when not in use.
- **ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.
- **RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.
- **OTHER PROTECTIVE EQUIPMENT:** Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean protective clothing to cover arms and legs to keep exposure to a minimum.
- **HYGIENIC PRACTICES:** Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE :	308 - 700 F
VAPOR DENSITY:	Is heavier than air
ODOR:	Strong solvent
ODOR THRESHOLD:	N/D
APPEARANCE :	Black paste
EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O:	Slight <1%
FREEZE POINT:	N/D
SPECIFIC GRAVITY:	1.3000
VAPOR PRESSURE:	8 mm Hg @ 77 F
pH 0.0.0 %:	N/D
PHYSICAL STATE:	Paste
VISCOSITY:	N/D
COEFFICIENT OF WATER/OIL DISTRIBUTION:	N/D

STABILITY AND REACTIVITY STABILITY: This product is stable under normal storage conditions.

- CONDITIONS TO AVOID: temperatures. Sources of ignition, Long term exposure to elevated temperatures.
- INCOMPATIBILITY: Alcohols and water Avoid contact with oxidizing material.
- HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.
- HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

TOXICOLOGICAL PROPERTIES

PRODUCT	DERMAL LD50	ORAL LD50	LC50
Calcium oxide	No Information	No information	No information
Talc	No Information	No Information	11 mg/m ³
Silica	No Information	No Information	No Information
Toluene Diisocyanate	>10g	4130 mg	11 ppm
Naphtha	>4ml	4.7 g	>3670 ppm
Mineral Spirits	No Information	>5 g	>550 ppm
Asphalt Petroleum	No Information	No Information	No Information
Trimethyl Benzen	No information	12.7 gm	18 gm/m ³

DISPOSAL CONSIDERATIONS

Review all local, state and federal regulations concerning appropriate disposal

TRANSPORTATION INFORMATION

DOT Shipping Name:	Combustible liquid, n.o.s.
DOT Technical Name:	Light aromatic naphtha & mineral spirits
DOT Hazard Class:	Combustible Liquid
DOT UN/NA Number:	NA1993 Packing Group: III
DOT Placard at:	10001 lbs
DOT Class Number:	3
UN Proper Shipping Name:	Paint
UN Hazard Class:	Flammable Liquid
UN Placard at:	N/A
UN Class Number:	Air 3
Marine:	3

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