

MATERIAL SAFETY DATA SHEET

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

LS-8501

HMIS RATING

Health 1
 Flammability 2
 Reactivity 0
 PPE E

PRODUCT NAME

LUMI-SEAL BRASS

MANUFACTURER'S NAME

PROGRESS PAINT CO.
 201 EAST MARKET ST.
 LOUISVILLE, KY 40202
 www.progresspaint.com

EMERGENCY TELEPHONE NO.
 (800) 123-4567 (Chemtrec)

 INFORMATION TELEPHONE NO.
 (502) 587-8685

Section 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

% by WT	CAS No.	INGREDIENT	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
20 - 50%	95-63-6	1,2,4-Trimethylbenzene	25 ppm		25 ppm	
< 1%	1330-20-7	Xylene (mxd isomers)	100 ppm	150 ppm	100 ppm	150 ppm
< 1%	98-82-8	Isopropylbenzene (cumene)	50 ppm		50 ppm	
< 1%	100-41-4	Ethylbenzene	100 ppm	125 ppm	100 ppm	
< 1%	108-88-3	Toluene	50 ppm		200 ppm	

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

EYE CONTACT:

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

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 may be harmful if inhaled.

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 8) 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.

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Section 3 -- HAZARDS IDENTIFICATION

Prolonged exposure to an ingredient(s) in this product may cause kidney and /or liver damage. 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. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone.

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 the MSDS for a detailed list on chronic health effects information available on individual ingredients in this product.

Section 4 -- FIRST AID MEASURES

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.

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 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.

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 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
95 F	1.0	7.0

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 II combustible liquid fires. Water spray may be ineffective. Water spray may be used to cool closed containers to prevent pressure build-up and possible auto-ignition 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, and static electricity).

When this product is used, the overspray and other combustible materials such as paint booth filters, rags, masking materials, etc., contaminated by coating material are subject to spontaneous combustion. Wetting the contaminated materials and not packing them tightly together in refuse containers will minimize the potential for this to occur. 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 overheated. Do not apply to hot

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Section 5 -- FIRE FIGHTING MEASURES
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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 not limited to, flame cutting, brazing, and welding.

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Section 6 -- ACCIDENTAL RELEASE MEASURES
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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 absorbant should be placed in this container.

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Section 7 -- HANDLING AND STORAGE
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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 material 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 (48 degrees C). Store large quantities in buildings designed and protected for storage of NFPA Class II combustible liquids.

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Section 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION
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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 when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

SKIN/GLOVES:

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:

Ensuring proper ventilation controls, vapor exhaust or fresh air entry may prevent Overexposure to vapors. 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 and OSHA 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.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	8.112 lb/gal	972 g/l
SPECIFIC GRAVITY	0.970	
BOILING POINT RANGE	298 - 308 F	148 - 153 C
VOLATILES	68.8 % by wt	76.2 % by vol
VAPOR DENSITY	Heavier than air	
VOLATILE ORGANIC COMPOUNDS	5.58 lb/gal	669 g/l
VOLATILE ORGANIC COMPOUNDS	Volatile Weight 68.87 % Less Federally Exempt Solvents	

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 alkalies, strong mineral acids, or strong oxidizing agents.

HAZARDOUS POLYMERIZATION:

None Known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, oxides of sulfur, hydrocarbons, lower molecular weight polymer fractions.

Section 11 -- TOXICOLOGICAL INFORMATION

CAS No.	Ingredient Name	LC50	RAT	4HR	LD50	RAT
95-63-6	1,2,4-Trimethylbenzene	Not Available			Not Available	
1330-20-7	Xylene (mxd isomers)	4000.00			4300.00	
98-82-8	Isopropylbenzene (cumene)	Not Available			Not Available	
100-41-4	Ethylbenzene	Not Available			Not Available	
108-88-3	Toluene	Not Available			Not Available	

MUTAGENICITY:

This has not been tested for this product.

REPRODUCTIVE:

This has not been tested for this product.

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:

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Section 12 -- ECOLOGICAL INFORMATION

HYDROLYSIS: No Information Available
PHOTOLYSIS: No Information Available

Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Provide maximum ventilation, only personnel equipped with proper respiratory and skin and eye protection should be permitted in the area. Take 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, provincial 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.

Section 14 -- TRANSPORT INFORMATION

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

Marine Pollutant Name: None
USA shipments > 119 gallons: Combustable liquid

Section 15 -- REGULATORY INFORMATION

SARA 302 - Extremely Hazardous Substance List:

CAS No. CHEMICAL/COMPOUND % by WT
None

SARA 311/312

Health(acute): X Health (chronic): X Fire (flammable): X Pressure: Reactivity:

SARA 313 - Hazardous Substance List:

CAS No. CHEMICAL/COMPOUND % by WT
95-63-6 1,2,4-Trimethylbenzene 23.1

CA Prop65

None
Pennsylvania
None
New Jersey
None

TSCA CERTIFICATION:

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

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Section 16 -- OTHER INFORMATION
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DISCLAIMER:

Do not handle until the manufacturer's safety precautions have been read and understood. Regulations require that all employees be trained on Material Safety Data Sheets for all products with which they come in contact. While we believe that the data contained herein is accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which we assume legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, provincial, and local laws and regulations.