

SAFETY DATA SHEET

DT-59 Barrier Coat

Date of issue/Date of revision: 10/08/2019



SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: Barrier Coat
Control Number: DT-59
Product Description: Coating. Paints. Paint related material.

COMPANY IDENTIFICATION

Supplier: Leather Magic Inc.
1104 Leewood Dr.
Monroe, NC. 28112

24 Hour Emergency Telephone: (800)-424-9300 CHEMTREC

General Information: (704) 283-5078

SECTION 2- HAZARDS IDENTIFICATION

OSHA/HCS status Classification of the substance or mixture	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral)- Category4 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION (Fertility) - Category 1 B TOXIC TO REPRODUCTION (Unborn child) - Category 1 B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects)-Category3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)- Category 2 Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 25.3%
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GHS Label elements, including precautionary statements:

Hazard pictograms:			
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Signal word: Danger

Hazard statement(s):	Highly flammable liquid and vapor. Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. May damage fertility or the unborn child. Suspected of causing cancer. May cause drowsiness and dizziness. May cause damage to organs through prolonged or repeated exposure.
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SECTION 2: HAZARDS IDENTIFICATION (cont.)

Precautionary statement(s):

<p>Prevention:</p>	<p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.</p>
<p>Response:</p>	<p>Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Remove any contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water. If skin irritation occurs get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing. If eye irritation persists get medical attention.</p>
<p>Storage:</p>	<p>Store locked up. Store in well ventilated area. Keep cool.</p>
<p>Disposal:</p>	<p>Dispose of contents and container in accordance with all local, regional, national and international regulations.</p>
<p>Supplemental label Elements:</p>	<p>Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits cause headaches, drowsiness and nausea and may lead to unconsciousness or death. Emits toxic fumes when heated.</p>
<p>Hazards not otherwise Classified:</p>	<p>May form explosive peroxides. Hazardous reactions or instability may occur under certain conditions of storage or use. Prolonged or repeated contact may dry skin and cause irritation.</p>

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SECTION 3 · COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
toluene	108-88-3	>25 - <50
butanone	78-93-3	>10 - <25
Ethyl 3-ethoxypropionate	763-69-9	>5 - <10
Benzyl butyl phthalate	85-68-7	>5 - <10
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	25973-55-1	<1.0
methyl methacrylate	80-62-6	>1 - <3
bis(2-ethylhexyl) phthalate	117-81-7	>0.3 - <1

SUB codes represent substances without registered CAS numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

SECTION 4 · FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation develops. **Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

Description of necessary first aid measures:

Eye contact:	Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use Recognized skin cleanser. DO NOT use solvents or thinners.
Ingestion:	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and At rest. DO NOT induce vomiting.

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SECTION 5 · FIRE FIGHTING MEASURES

Suitable Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use water jet.

Hazardous combustion products: Oxides of carbon and various hydrocarbons

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

SECTION 7 · STORAGE AND HANDLING

Handling: Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use. Avoid contact with skin and eyes.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. **Storage:** Do not store above the following temperature: 35°C (95° F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination..

Special precautions: Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. May form explosive peroxides. Keep away from combustible materials. Avoid shock and friction. Avoid all possible sources of ignition (spark or flame). If this material is part of a multiple component system, read the 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

Engineering Controls: Provide explosion-proof ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below.

Exposure Limits:	toluene	200 ppm ACGIH	200 ppm OSHA
	butanone	885 ppm ACGIH	885 ppm OSHA
	ethyl 3-ethoxypropionate	100 ppm ACGIH	100 ppm OSHA
	benzyl butyl phthalate	none	none
	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol		none none
	Methyl methacrylate	50 ppm ACGIH	100ppm OSHA
	Bis(2-ethylhexyl) phthalate	5 mg/m ³	5 mg/m ³

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SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION (cont.)

Recommended monitoring procedures:	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
individual protection measures:	
Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Chemical splash goggles.
Skin protection Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

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SECTION 9 · PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: 4.44° C (40°F)	Flammability Limits: Lower: 1 . 2 %
Autoignition Temperature: Not available	Specific Gravity: 0.94
Boiling Point: >37.78°C (>100°F)	Volatile %: 72% (v/v) 65.78% (w/w)
Melting Point/Freezing Point: Not available	Evaporation Rate: 3.18 (butyl acetate = 1)
Vapor Pressure: 34.7 mmHg	pH: Not Applicable
Density (lbs/gal): 7.84	Solubility in Water: Insoluble in water
Odor/Appearance: Clear colorless liquid.	% Solid (w/w): 34.22

SECTION 10 · STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.
Conditions to Avoid: Keep away from heat, flame and other potential ignition sources.
Incompatible Materials: Strong oxidizing agents, Strong reducing agents, Strong bases
Hazardous Polymerization: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

SECTION 11 · TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity:

Product/ingredient name	Result	Species	Dose	Exposure
Toluene	LC50 Inhalation Vapor	Rat	49 g/m3	4 Hours
	LC50 Inhalation Vapor	Rat	8000 ppm	4 Hours
	LD50 Dermal	Rabbit	8.39 g/kg	
	LD50 Oral	Rat	636 mg/kg	
butanone	LD50 Inhalation Vapor	Rat	11243 ppm	4 Hours
	LD50 Dermal	Rabbit	6480 mg/kg	
	LD50 Oral	Rat	2737 mg/kg	
ethyl 3-ethoxypropionate	LD50 Dermal	Rabbit	10 g/kg	
	LD50 Oral	Rat	3200 mg/kg	
benzyl butyl phthalate	LC50 Inhalation Vapor	Rat	>6700 mg/m3	4 Hours
	LD50 Dermal	Rabbit	>10 g/kg	
	LD50 Dermal	Rat	6700 mg/kg	
	LD50 Oral	Rat	2.33 g/kg	
	LD50 Dermal	Rabbit	>2000 mg/kg	
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	LD50 Oral	Rat	>2000mg/kg	
methyl methacrylate	LC50 Inhalation Vapor	Rat	78000 mg/m3	4 Hours
	LD50 Dermal	Rabbit	>5 g/kg	
	LD50 Oral	Rat	7872 mg/kg	
bis(2-ethyihexyl) phthalate	LD50 Dermal	Rabbit	25 g/kg	
	LD50 Oral	Rat	30 g/kg	

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SECTION 11 · TOXICOLOGICAL INFORMATION (cont.)

Conclusion/Summary	There are no data available on the mixture itself.
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Irritation/Corrosion

Conclusion/Summary

Skin	There are no data available on the mixture itself.
Eyes	There are no data available on the mixture itself.
Respiratory	There are no data available on the mixture itself.

Sensitization

Conclusion/Summary

Skin	There are no data available on the mixture itself.
Respiratory	There are no data available on the mixture itself.

Mutagenicity

Conclusion/Summary:

There are no data available on the mixture itself.

Carcinogenicity

Conclusion/Summary:

There are no data available on the mixture itself.

Classification

Product/ingredient name	OSHA	IARC	NTP
toluene		3	
benzyl butyl phthalate methyl methacrylate		3	
bis(2-ethylhexyl) phthalate		3	
		2B	Reasonably anticipated to be a human carcinogen.
Carcinogen Classification code:		IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA:+ Not listed/not regulated:	

Reproductive toxicity

Conclusion/Summary:

There are no data available on the mixture itself

Teratogenicity

Conclusion/Summary:

There are no data available on the mixture itself

Specific target organ toxicity (single exposure)

Name	Category
toluene	Category 3
butanone	Category 3
methyl methacrylate	Category 3

Specific target organ toxicity {repeated exposure

Name	Category
toluene	Category 2
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylpheno	Category 2
bis(2-ethylhexyl) phthalate	Category 2
Target organs	Contains material which causes damage to the following organs: brain. Contains material which may cause damage to the following organs: blood, kidneys, the reproductive system, liver, mucous membranes, heart, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea, nose/ sinuses.

Aspiration Hazard

Name	Result
toluene	ASPIRATION HAZARD – Category 1

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SECTION 11 · TOXICOLOGICAL INFORMATION (cont.)

Information on the likely routes of exposure

Potential acute health effects

Eye contact	Causes serious eye irritation.
Inhalation	Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
Skin contact	Causes skin irritation. Defatting to the skin.
Ingestion	Harmful if swallowed. Can cause central nervous system (CNS) depression.

Over-exposure signs/symptoms

Eye contact:	Adverse symptoms may include the following: pain or irritation Watering redness
Inhalation:	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary:	There are no data available on the mixture itself. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. 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. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.
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Short term exposure

Potential immediate effects	There are no data available on the mixture itself.
Potential delayed effects	There are no data available on the mixture itself.

Long term exposure

Potential immediate effects	There are no data available on the mixture itself.
Potential delayed effects	There are no data available on the mixture itself.

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SECTION 11 · TOXICOLOGICAL INFORMATION (cont.)

Potential chronic health effects

General:	May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Carcinogenicity:	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	May damage the unborn child.
Developmental effects:	No known significant effects or critical hazards. :
Fertility effect:	may damage fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE Value
Oral	968.7 mg/kg
Inhalation (vapors)	30.31 mg/l

SECTION 12 · ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
2-(2H-benzotriazol-2-yl)-4, 6-ditertpentylphenol	Acute EC50 >10 mg/l	Algae	72 hours
	Acute LC50 >100 mg/l	Fish - brachydanio rerio	96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
toluene			readily

Bio accumulative potential

Product/ingredient name	LogPow	BCF	Potential
toluene	2.73	8.32	Low
butanone	0.29	-	Low
benzyl butyl phthalate methyl methacrylate	4.73	16.22	Low
	1.38	-	Low
bis(2-ethylhexyl) phthalate	7.6	588.84	high

Mobility in soil

Soil/water partition

Coefficient (Koc): Not available

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

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SECTION 14 · TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Paint
Hazard Class: 3
UN Number: UN1263
Packaging Group: 2

SECTION 15 · REGULATORY INFORMATION

SARA 313

Supplier notification

Chemical Name	CAS Number	Concentration
toluene	108-88-3	30 - 60
bis(2-ethylhexyl) phthalate	117-81-7	0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your Leather Magic! Representative.

California Prop 65: Warning: This product contains a chemical known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: September 2018

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2
Flammability: 3
Instability: 1

Hazardous Material Information System (USA)

Health: 2*
Flammability: 3
Physical Hazards: 1
(*) - Chronic effects

The customer is responsible for determining the PPE code for this material.

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.