

Product Code:    LA184  
 Product Name:    BLACK SATIN (40 DEGREE)

GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036  
 24-hour Emergency Phone:        800-510-8510

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(SEE TOP OF PAGE)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT/EXPOSURE LIMITS	CAS#
DUPLICATING FLUID	MIXTURE
ETHANOL:    TWA OSHA 1000 ppm, TLV 1000ppm	
N-PROPYL ACETATE: TWA OSHA 200ppm, TLV ACGIH 200ppm	
ISOPROPANOL: 400 ppm, 400ppm	
TOLUENE	108-88-3
OSHA PEL: 200ppm	
ACGIH TLV 50ppm	
PROPANE	74-98-6
N. BUTANE	106-97-8
ETHANOL	64-17-5
OSHA: 1000 PPM PEL-TWA	
NIOSH: 1000 PPM PEL-TWA	
ACETONE	67-64-1
OSHA VPEL 750 ppm TWA	
OSHA VPEL 1000 ppm STEL	
ACGIH TLV 500ppm TWA	
ACGIH TLV 750 ppm STEL	
ISOPROPANOL	67-63-0
400ppm TWA8 ACGIH, 983 mg/m3 TWA8 ACGIH	
980mg/m3 TWA8 OSHA, 500ppM STEL OSHA	
ISOBUTYL ACETATE	110-19-0
NITROCELLULOSE	9004-70-0
n-BUTYL ACETATE	000123-86-4
BUTYL ACETATE ACGIH 150ppm TWA, 200ppm STEL	
BUTYL ACETATE OSHA 150ppm TWA, 200ppm STEL	
n-BUTANOL	71-36-3
OSHA PEL: 100ppm TWA	
ACGIH TLV 50ppm	
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
ACGIH 25ppm TWA	
OSHA 25ppm TWA	
DI-N-BUTYL PHTHALATE	84-74-2
ETHYL ACETATE	141-78-6

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CARBON BLACK	1333-86-4
METHYL ISOBUTYL KETONE	108-10-1
OSHA: 50 PPM PEL-TWA	
OSHA: 240 MILLIGRAMS PER CUBIC METER-TWA [SKIN]	
OSHA: 700 PPM IDLH	
NIOSH: 5 PPM REL-TWA	
NIOSH: 24 MILLIGRAMS PER CUBIC METER-TWA [SKIN]	
XYLENE	1330-20-7
OSHA: 100 PPM PEL-TWA	
NIOSH: 100 PPM PEL-TWA	
DIMETHYL PHTHALATE	131-11-3

### 3. HAZARDS IDENTIFICATION

FLAMMABLE LIQUID UNDER PRESSURE  
VAPOR CAUSES EYE BURNS AND SKIN IRRITATION

#### POTENTIAL HEALTH EFFECTS

##### SKIN:

Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.

##### INGESTION:

Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

##### INHALATION:

High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs.

### 4. FIRST AID MEASURES

#### EYES:

Flush with luke warm water for a minimum of 15 minutes. Seek medical attention immediately.

#### SKIN:

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

#### INGESTION:

Rinse mouth immediately. Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting. Contact physician or poison control center immediately.

#### INHALATION:

Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

### 5. FIRE FIGHTING MEASURES

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FLAMMABLE CLASSIFICATION: CLASS 1B  
LOWEST FLASH POINT: 40F  
METHOD: TCC

**FLAMMABLE LIMITS:**

LOWER FLAMMABLE LIMIT: 1.1

UPPER FLAMMABLE LIMIT: 12.8

EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry Chemical

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Burning may produce oxides of nitrogen and carbon. Do not puncture or incinerate container. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not expose to heat or store at temperatures above 120 degrees F. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, sparks, heaters, smoking, electrical motors or static discharge distant from handling point.

**FIREFIGHTING INSTRUCTIONS:**

**6. ACCIDENTAL RELEASE MEASURES**

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways. If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

**7. HANDLING AND STORAGE**

**HANDLING:**

Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in this sheet must be observed.

**STORAGE:**

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**

PRIMARY ROUTES OF ENTRY: inhalation, skin contact, eyes, ingestion.

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

**SKIN PROTECTION:**

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, butyl or nitrile. An apron should be worn to avoid skin contact.

**EYE PROTECTION:**

Wear splashproof goggles and face shield if there is a likelihood of contact with eyes.

**HYGENIC PRACTICES:**

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Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 133F  
MELTING POINT: N/A  
VAPOR PRESSURE: N/A  
VAPOR DENSITY: Heavier Than Air  
SOLUBILITY IN WATER: N/A  
SPECIFIC GRAVITY: .75  
COATING VOC LB/GL: 1.702 lb/gl  
COATING VOC GM/LTR: 204 g/l  
MATERIAL VOC LB/GL: 1.702 lb/gl  
MATERIAL VOC GM/LTR: 204 g/l  
% VOLATILE BY VOLUME: 37.821%  
EVAPORATION RATE: Faster than Butyl Acetate.  
WEIGHT PER GALLON: 6.246 lb/gl  
PH: N/A  
ODOR: N/A  
APPEARANCE: N/A

#### 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:  
Stable      Conditions to Avoid: high heat, sparks, flames  
INCOMPATIBILITY  
Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.  
HAZARDOUS DECOMPOSITION PRODUCTS:  
Oxidation may produce carbon and nitrogen oxides.  
HAZARDOUS POLYMERIZATION:  
Will not occur.

#### 11. TOXICOLOGICAL INFORMATION

CANCER INFORMATION:  
This product contains no reported carcinogens or suspected carcinogens. This product contains no reportable hazardous ingredients. This Material Safety Data Sheet contains information on good industrial practice for safe handling of all industrial chemicals.

#### TERATOLOGY (BIRTH DEFECT) INFORMATION:

This product contains no reported or suspected teratogens.

#### REPRODUCTION INFORMATION:

Toluene is a chemical known to the state of California to cause birth defect or other reproductive harm.

#### 12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

#### 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

AEROSOLS, FLAMMABLE, 2.1, UN1950

#### 15. REGULATORY INFORMATION

HMIS HAZARD INDEX: 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST  
HEALTH: 2  
FLAMMABILITY: 4

M A T E R I A L   S A F E T Y   D A T A   S H E E T

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REACTIVITY: 0  
PERSONAL PROTECTION: J  
SECTION 313:

		% BY WT
* TOLUENE	108-88-3	21
* n-BUTANOL	71-36-3	3
* ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	2
* DI-N-BUTYL PHTHALATE	84-74-2	2
* METHYL ISOBUTYL KETONE	108-10-1	
* XYLENE	1330-20-7	
* DIMETHYL PHTHALATE	131-11-3	

16. DISCLAIMER:

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