Section 1 - Chemical Product and Company

Product Name: MATTE BLACK POLYURETHANE FINISH    Product Code: PL59
IC&S
1833 William Penn Way
Lancaster, PA  1761
Phone: 717-391-6250

Emergency Phone No: Chem Tel 800-255-3924
or international 813-248-0585

Section 2 - Hazards

GHS Ratings:

<table>
<thead>
<tr>
<th>Property</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquid</td>
<td>2</td>
<td>Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>2</td>
<td>Reversible adverse effects in dermal tissue, Draize score: &gt;= 2.3 &lt; 4.0 or persistent inflammation</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>2B</td>
<td>Mild eye irritant: Subcategory 2B, Reversible in 7 days</td>
</tr>
<tr>
<td>Mutagen</td>
<td>1B</td>
<td>Known to produce heritable mutations in human germ cells: Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>1B</td>
<td>Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity</td>
</tr>
<tr>
<td>Reproductive toxin</td>
<td>2</td>
<td>Human or animal evidence possibly with other information</td>
</tr>
</tbody>
</table>

GHS Hazards

H225 Highly flammable liquid and vapour
H315+H320 Causes skin and eye irritation
H340 May cause genetic defects
H350 May cause cancer
H361 Suspected of damaging fertility or the unborn child

GHS Precautions

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233 Keep container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/light/…/equipment
P242 Use only non-sparking tools
P243 Take precautionary measures against static discharge
P264 Wash … thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required
P321 Specific treatment (see … on this label)
P362 Take off contaminated clothing and wash before reuse
P302+P352 IF ON SKIN: Wash with soap and water
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse
skin with water/shower
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact
lenses if present and easy to do – continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention
P337+P313 Get medical advice/attention
P370+P378 In case of fire: Use … for extinction
P405 Store locked up
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container to an approved waste disposal facility.

Signal Word: Danger

Section 3 - Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methyl-1-propyl acetate</td>
<td>110-19-0</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Butanone (MEK)</td>
<td>78-93-3</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>n-butyl acetate</td>
<td>123-86-4</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>0.10% - 1.00%</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of
unconsciousness, call ambulance. Place patient on side and stabilize to prevent aspiration.

Rinse opened eye for several minutes under running water. Get medical attention if needed.

Take off immediately all contaminated clothing, including underwear and shoes. Immediately wash with soap and water
and rinse thoroughly. Rinse thoroughly with plenty of water for at least 20 minutes and get medical attention.

Do not induce vomiting. Get medical assistance.

Symptoms of poisoning may occur after several hours, therefore medical observation for at least 48 hours after the incident is
recommended.

Section 5 - Fire Fighting Measures

Flash Point: -4 C (25 F)
LEL: 1.00       UEL: 12.00
Suitable extinguishing agents include: Alcohol resistant foam, CO2, powder, water spray/mist. For safety reasons, do not use a jet water stream as it may scatter and spread fire.

Formation of toxic gases is possible during heating or in case of fire.

Wear all appropriate protective equipment: hardhat with visor, fireproof clothing, suitable gloves, and if necessary, personal respiratory protective device.

Advice for firefighters: Protective Equipment: Hardhat with visor, fireproof clothing, suitable glove and if necessary respiratory protective device.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures. Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Do not allow to enter sewers, surface or ground water. Methods and material for containment and cleaning up: Absorb with liquid binding material, such as sand, diatomite, acid binders, universal binders, sawdust. Dispose of contaminated material as waste according to Section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

Environmental Precautions: Do not allow to enter sewers/surface or groundwater. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose contaminated material as waste according to Section 13. Do not flush with water or aqueous cleansing agents.

Environmental Precautions: Do no allow to enter sewers/surface or groundwater. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Dispose contaminated material as waste according to Section 13. Do not flush with water or aqueous cleansing agents.

Section 7 - Handling and Storage

Precautions for safe handling: Ensure good ventilation/exhaust at the workplace. Prevent the formation of aerosols. Protect against electrostatic charges. Use explosion proof apparatus. Fittings and tools should be spark proof. Keep all sources of ignition away. Do not smoke in area.

Store in a cool, well-ventilated area, away from heat and sources of ignition. Provide solvent resistant, sealed floor on which to store material. Observe the label precautions. Keep receptacle tightly sealed. Store in cool, dry conditions in well-sealed receptacles.

Dispose of material in accordance with all local, state, and federal regulations.

Section 8 - Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-methyl-1-propyl acetate 110-19-0</td>
<td>150 ppm PEL</td>
<td>150 ppm TWA</td>
<td>Not Established</td>
</tr>
</tbody>
</table>
Xylene
1330-20-7
100 ppm TWA
100 ppm TWA
Not Established

Ethyl Acetate
141-78-6
400 ppm TWA
400 ppm TWA
Not Established

Ethylbenzene
100-41-4
100 ppm TWA
100 ppm; 125 ppm STEL
Not Established

Butanone (MEK)
78-93-3
200 ppm TWA
200 ppm TWA, 300 ppm STEL
Not Established

n-butyl acetate
123-86-4
150 ppm TWA
150 ppm TWA
Not Established

Ethyl Alcohol
64-17-5
1000 ppm TWA
1000 ppm TWA
Not Established

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**General protective and hygienic measures:** Keep away from food and beverages. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

**Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Protective gloves. The glove material must be impermeable and resistant to the product. Contact the manufacturer for recommendations.

Eye protection: Use tightly sealed goggles.

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### Section 9 - Physical and Chemical Properties

**Boiling range:** 77°C

**Odor:** N/A

**Vapor Pressure:** 79 mm Hg

**Vapor Density:** Heavier Than Air

**Flammability:** -4°C, 25°F

**Partition coefficient (n-octanol/water):**

**Decomposition temperature:** N/A

**pH:** N/A

**Solubility:** N/A

**Melting point:** N/A

**Flash point:** -4°C, 25°F

**Grams VOC less water:** 531

**Odor threshold:** N/A

**Evaporation rate:** N/A

**Explosive Limits:** 1% - 12%

**Autoignition temperature:** N/A

**Viscosity:** N/A

**Freezing point:** N/A

**Density:** 1.00

**Appearance:** According to products specification

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### Section 10 - Stability and Reactivity

The product is stable in normal conditions of storage and use recommendations.

**STABLE**

**Thermal decomposition/conditions to be avoided:** No decomposition if used and stored according to specifications.
No dangerous decomposition products known.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Component Toxicity

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>% Weight</th>
<th>Carcinogen Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>Xylene</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oral LD50: 4,300 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute Toxicity:

<table>
<thead>
<tr>
<th>System</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liver</td>
<td></td>
</tr>
<tr>
<td>Central Nervous System</td>
<td></td>
</tr>
<tr>
<td>Reproductive System</td>
<td></td>
</tr>
<tr>
<td>Heart</td>
<td></td>
</tr>
<tr>
<td>Respiratory System</td>
<td></td>
</tr>
</tbody>
</table>

Effects of Overexposure

Section 12 - Ecological Information

Component Ecotoxicity

Ethylbenzene

- LC50 (96 h5) Fish: 32.0~97.1 mg/l
- EC20 (48 hrs) Water flea: Not available
- Concentration factor (BCF): Not available

Ethyl Alcohol

- Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 14,200 mg/l - 96h Toxicity to daphnia and other aquatic invertebrates LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h NOEC - Daphnia magna (Water flea) - 9.6 mg/l - 9 d Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h

Section 13 - Disposal considerations

**DISPOSAL:** Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of contents and container in accordance with all local, state, and federal regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Paint</td>
<td>1263</td>
<td>II</td>
<td>3</td>
</tr>
</tbody>
</table>
Section 15 - Regulatory Information

This section identifies the safety, health, and environmental regulations specific for the product that is not indicated anywhere else on the SDS.

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
64-17-5 Ethyl Alcohol 0.1 to 1.0%

TSCA:
100-41-4 Ethylbenzene
64-17-5 Ethyl Alcohol

Section 302: None
Section 311/312: Immediate & Delayed Heath Hazard; Fire Hazard
Section 313: Toxic Chemicals:
1330-20-7 Xylene
100-41-4 Ethylbenzene
64-17-5 Ethyl Alcohol

CERCLA:
- None

Clear Air Act:
100-41-4 Ethylbenzene
64-17-5 Ethyl Alcohol

Clean Water Act:
100-41-4 Ethylbenzene
64-17-5 Ethyl Alcohol

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU Risk Phrases</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Safety Phrase</th>
</tr>
</thead>
</table>
- None

Section 16 - Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = HIGH

SDS for: PL59
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Date Prepared: 10/3/2016

Reviewer Revision