# MATERIAL SAFETY DATA SHEET

**DU0017913**  
03 00

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## Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>DATE OF PREPARATION</th>
<th>HMIS CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DU0017913</td>
<td>01-NOV-07</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Flammability</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reactivity</td>
</tr>
</tbody>
</table>

- **PRODUCT NAME:** PLASTIC KOTE Interior Acrylic Latex Flat Finish, One Coat White
- **MANUFACTURER'S NAME:** DURON  
  10406 Tucker St.  
  Beltsville, MD 20705-2297
- **TELEPHONE NUMBERS and WEBSITES:**
  - Product Information: (800) 723-8766  
    www.duron.com
  - Regulatory Information: (800) 306-8961  
    www.paintdocs.com
  - Medical Emergency: (216) 566-2917
  - Transportation Emergency: (800) 424-9300

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## Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>% by WT</th>
<th>CAS No.</th>
<th>INGREDIENT</th>
<th>UNITS</th>
<th>VAPOR PRESSURE</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>107-21-1</td>
<td>Ethylene Glycol</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV 100 mg/m3 CEILI (aerosol) 0.12 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL 50 ppm CEILING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>14464-46-1</td>
<td>Cristobalite</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV 0.05 mg/m3 as Resp. Dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL 0.05 mg/m3 as Resp. Dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH TLV 10 mg/m3 as Dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL 10 mg/m3 Total Dust</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL 5 mg/m3 Respirable Fraction</td>
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<td></td>
</tr>
</tbody>
</table>

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## Section 3 -- HAZARDS IDENTIFICATION

**ROUTES OF EXPOSURE**
- INHALATION of vapor or spray mist.
- EYE or SKIN contact with the product, vapor or spray mist.

**EFFECTS OF OVEREXPOSURE**
- EYES: Irritation.
- SKIN: Prolonged or repeated exposure may cause irritation.
- INHALATION: Irritation of the upper respiratory system.
- In a confined area vapors in high concentration may cause headache, nausea or dizziness.
- Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

Continued on page 2
SIGNS AND SYMPTOMS OF OVEREXPOSURE
Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
May cause allergic skin reaction in susceptible persons or skin sensitization.
CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

Section 4 -- FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: Do not induce vomiting. Get medical attention immediately.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT LEL UEL
Not Applicable N.A. N.A.
FLAMMABILITY CLASSIFICATION
Not Applicable
EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Alcohol Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.
SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY
Not Applicable

Continued on page 3
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
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</thead>
<tbody>
<tr>
<td>PRODUCT WEIGHT</td>
<td>12.19 lb/gal 1460 g/l</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>1.47</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>212 - 388 F 100 - 197 C</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>Not Available</td>
</tr>
<tr>
<td>VOLATILE VOLUME</td>
<td>62 %</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>Slower than ether</td>
</tr>
<tr>
<td>VAPOR DENSITY</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>N.A.</td>
</tr>
<tr>
<td>pH</td>
<td>9.0</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUNDS</td>
<td>(VOC Theoretical - As Packaged)</td>
</tr>
<tr>
<td></td>
<td>0.76 lb/gal 91 g/l Less Water and Federally Exempt Solvents</td>
</tr>
<tr>
<td></td>
<td>0.31 lb/gal 37 g/l Emitted VOC</td>
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</table>
Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable
CONDITIONS TO AVOID
  None known.
INCOMPATIBILITY
  None known.
HAZARDOUS DECOMPOSITION PRODUCTS
  By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION
  Will not occur

Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

  Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.

  IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

  Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.

TOXICOLOGY DATA

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient Name</th>
<th>LC50</th>
<th>RAT</th>
<th>4HR</th>
<th>LD50</th>
<th>4HR</th>
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</thead>
<tbody>
<tr>
<td>107-21-1</td>
<td>Ethylene Glycol</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td>LC50</td>
<td>RAT</td>
<td>4HR</td>
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<tr>
<td></td>
<td></td>
<td>LD50</td>
<td>RAT</td>
<td>4HR</td>
<td>4700 mg/kg</td>
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<tr>
<td>14464-46-1</td>
<td>Cristobalite</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>LC50</td>
<td>RAT</td>
<td>4HR</td>
<td>Not Available</td>
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<tr>
<td></td>
<td></td>
<td>LD50</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>LD50</td>
<td>RAT</td>
<td>4HR</td>
<td>Not Available</td>
<td></td>
</tr>
</tbody>
</table>

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
  No data available.

Continued on page 5
Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD
Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

US Ground (DOT)
Not Regulated for Transportation.

Canada (TDG)
Not Regulated for Transportation.

IMO
Not Regulated for Transportation.

Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>CHEMICAL/COMPOUND</th>
<th>% by WT</th>
<th>% Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>107-21-1</td>
<td>Ethylene Glycol</td>
<td>1</td>
<td></td>
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</table>

TSCA CERTIFICATION
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 -- OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.