MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME AND FSCM (Federal Supply Code for Manufacturers)
The L. D. Caulk Co., Div. of Dentsply International

ADDRESS (Number, Street, City, State, and ZIP Code)
Lakeview & Clarke Aves., Milford, Delaware 19963

TRADE NAME AND SYNONYMS
Methyl Methacrylate Monomer

CHEMICAL NAME AND SYNONYMS
Acrylic

FORMULA
CH₂C(CH₃)₃ COOCH₃

GROSS WEIGHT (LBS)

OUTSIDE PACKAGE DIMENSIONS (Inches)

FEDERAL STOCK NUMBER (FSN)

MIL-STD-1341/NATIONAL FIRE PROTECTION ASSOCIATION STD 704/M SIGNAL

<table>
<thead>
<tr>
<th>FLAMMABILITY</th>
<th>HEALTH</th>
<th>REACTIVITY</th>
<th>SPECIFIC HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIGMENTS</td>
<td></td>
<td>BASE METAL</td>
<td></td>
</tr>
<tr>
<td>CATALYST</td>
<td></td>
<td>ALLOYS</td>
<td></td>
</tr>
<tr>
<td>VEHICLE</td>
<td></td>
<td>METALLIC COATINGS</td>
<td></td>
</tr>
<tr>
<td>SOLVENTS</td>
<td></td>
<td>FILLER METAL PLUS COATING OR CORE FLUX</td>
<td></td>
</tr>
<tr>
<td>ADDITIVES</td>
<td></td>
<td>OTHERS</td>
<td></td>
</tr>
<tr>
<td>OTHERS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

| Methyl Methacrylate Monomer | 92.5% |
| Ethylene Glycol Dibromohydrate | 2.5% |

BOILING POINT (°F)

214°

SPECIFIC GRAVITY (H₂O = 1)

0.94

VAPOR PRESSURE (mm Hg)

29

PRESENT VOLATILE BY VOLUME (%)

92.5

VAPOR DENSITY (AIR = 1)

3.45

EVAPORATION RATE

( = 1)

SOLUBILITY IN WATER

Slight

APPEARANCE AND ODOR

Colorless Liquid

FLASH POINT (Method used)

50° (O.C)

FLAMMABLE LIMITS

LOWER EXPLOSIVE LIMIT

2.1%

UPPER EXPLOSIVE LIMIT

12.5%

EXTINGUISHING MEDIA

Foam, Carbon Dioxide, dry chemical or Carbon Tetrachloride

SPECIAL FIRE FIGHTING PROTOCOLS

Water may be ineffective unless used as a fine spray.

Fog. Use water spray to cool fire exposed containers of methyl methacrylate.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors may travel to source of ignition and flash back.

Avoid ignition sources or excessive temperatures. Heat can induce polymerization with rapid release of energy. Closed containers may rupture explosively.

SECTION II - HAZARDOUS INGREDIENTS

DD FORM 1813

GPO 794/043/10

S/N 0102-026-108
THRESHOLD LIMIT VALUE
100 ppm

EFFECTS OF OVEREXPOSURE
High vapor concentration can induce headache, nausea, smarting of eyes and irritation of respiratory system. Liquid contact with eyes will cause irritation and possible corneal damage.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move subject to fresh air. Give oxygen or artificial respiration as required. INGESTION: Induce vomiting and consult a physician immediately. EYE & SKIN CONTACT: Flush eyes promptly with copious amounts of water for 15 minutes and consult physician if irritation is apparent. Wash skin with soap and water.

COMPATIBILITY

STABILITY
UNSTABLE

CONDITIONS TO AVOID
Elevated temperature & ignition sources.

INCOMPATIBILITY
(Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS
Acid fumes and CO and/or CO2

HAZARDOUS POLYMERIZATION
MAY OCCUR

CONDITIONS TO AVOID
Elevated temperatures reducing and oxidizing materials.

WASTE DISPOSAL METHOD
Incinerate under controlled conditions in a safe open area or landfill according to Federal, State and local regulations. Biological degradation is also possible.

RESPIRATORY PROTECTION
Self contained breathing apparatus during high vapor concentration

VENTILATION
LOCAL EXHAUST
Keep below TLV and LEL

SPECIAL
MECHANICAL (General)
Explosion-proof motors

OTHER

PROTECTIVE GLOVES
Impervious gloves

EYE PROTECTION
Splash proof goggles

OTHER PROTECTIVE EQUIPMENT
Impervious apron and overshoes during clean-up operation.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Store at ambient temperature out of direct sunlight-advisable to use oldest materials first. Use adequate ventilation.

OTHER PRECAUTIONS
Avoid repeated breathing and contact with skin.
Keep containers closed and away from heat. Keep away from sparks and open flame.

PROPER SHIPPING NAME
Methyl Methacrylate Monomer (Inhibited)

DOT CLASSIFICATION
Flammable

DOT LABEL

DOT MARKING
EMERGENCY ACCIDENT PRECAUTIONS AND PROCEDURES

DOT PLACARD
PRECAUTIONS TO BE TAKEN IN TRANSPORTATION