SECTION I

Manufacturer's Name: G C A
Emergency Telephone Number: 16-148-68-78-37

Address (Number, Street, City, State, Zip Code):
15 Rue Nicolas Robert – 93601 AULNAY SOUS BOIS - FRANCE

Chemical Name and Synonyms: METHODIZED POPPYSEED OIL
Trade Name and Synonyms: ETHIODOL (LIPIODOL)

Chemical Family: IODIZED OIL
Formula: \(\text{CH}_3 - (\text{CH}_2)_n - \text{CHI}_x - (\text{CH}_2)_m - \text{CHI}_y - (\text{CH}_2)_k - \text{COOC}_2\text{H}_5\) \(x, y = 0\)

SECTION II – HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Paints, Preservatives, &amp; Solvents</th>
<th>%</th>
<th>TLV (Units)</th>
<th>Alloys and Metallic Coating</th>
<th>%</th>
<th>TLV (Units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pigments</td>
<td>0</td>
<td></td>
<td>Base Metal</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Catalyst</td>
<td>0</td>
<td></td>
<td>Alloys</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Vehicle</td>
<td>0</td>
<td></td>
<td>Metallic Coatings</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Solvents</td>
<td>0</td>
<td></td>
<td>Filler Metal Plus Coating or Core Flux</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Additives</td>
<td>0</td>
<td></td>
<td>Others</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>0</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES: None

SECTION III – PHYSICAL DATA

Boiling Point (°F): 125° C
8mm Hg
Specific Gravity: 1.280

Vapor pressure (mm/mg): N/R
Percent Volatile By Volume In.: N/R

Vapor Density (AIR *1): N/R
Evaporation Rate: N/R

Solubility in Water: 0

Appearance and Odor: Pale yellow oil, like peanuts odor
SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) 177°C (closed cup)  Flammable limits N/R
DIN 51.758
Extinguishing Media: Dry Chemical, CO₂
Special Fire Fighting Procedures: Limit spreading with sand – Have a respiratory mask because of iodine vapors and black fumes – Fight fire with fire extinguisher
Unusual Fire and Explosion Hazards: none

SECTION V – HEALTH HAZARD DATA

Threshold Limit Value  The product is not known to be toxic
Effects of Overexposure  Contact with skin is not dangerous. Improbable allergic reactions may occur for few individuals
  ORL mouse: no reaction with 2 ml/kg
  IPR mouse: LD50 30 ml/kg
  Intravenous mouse: LDO 1,8 ml/kg

SECTION VI – REACTIVITY DATA

Stability: Unstable  Conditions to avoid: Store the compound under nitrogen pressure
  Keep it protected from light and heat to avoid decomposition
Incompatibility (Materials to avoid): Avoid contact with natural and synthetic rubbers
Hazardous Decomposition Products: Instantaneous iodine vapors release when the compound is exposed at 173°C
Hazardous Polymerization: Will not occur

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Spread dry sodium carbonate over and wait for complete impregnation by ETHIODOL before elimination.
Waste disposal method: Incineration

SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): N/A
Ventilation
  Local Exhaust: According to legislation for working area
  Special: None
  Mechanical (general): N/A
  Other: None
Protective gloves: yes
Eye Protection: glasses
Other Protective Equipment: Safety shoes when handling drums

SECTION VIII – SPECIAL PROTECTION INFORMATION

Precautions to be taken in handling and storing: Store under nitrogen – protect from light and heat
Other precautions: Take all the requisite precautions for the use of oils: Floors must be perfectly clean to avoid falls (sliding)