1 Identification

- Product identifier
  - Trade name: Die-Slide Renovate: PDR 88
  - Other means of identification: No other identifiers
- Recommended use and restriction on use
  - Recommended use: Coating material
  - Restrictions on use: No relevant information available.
- Details of the supplier of the Safety Data Sheet
  - Manufacturer/Supplier:
    Preco, Inc.
    9705 Commerce Parkway
    Lenexa, KS 66219
    913-541-0066
  - Emergency telephone number:
    ChemTel Inc.
    (800)255-3924 (North America)
    +1 (813)248-0585 (International)

2 Hazard(s) identification

- Classification of the substance or mixture
  - Flam. Liq. 2 H225 Highly flammable liquid and vapor.
  - Eye Irrit. 2A H319 Causes serious eye irritation.
  - STOT SE 3 H336 May cause drowsiness or dizziness.
  - Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- Label elements
  - GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms:
    GHS02 GHS07 GHS08
- Signal word: Danger
- Hazard statements:
  - H225 Highly flammable liquid and vapor.
  - H319 Causes serious eye irritation.
  - H336 May cause drowsiness or dizziness.
  - H304 May be fatal if swallowed and enters airways.
- Precautionary statements:
  - 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/lighting/equipment.
  - P242 Use only non-sparking tools.
  - P243 Take precautionary measures against static discharge.
  - P261 Avoid breathing mist, vapors, or spray.

(Cont'd. on page 2)
贸易名称：Die-Slide Renovate: PDR 88

P264 洗涤后彻底冲洗。
P271 仅限室外使用或在通风良好的区域。
P280 使用防护手套/防护衣物/眼保护。
P301+P310 如吞咽：立即联系中毒/医生。
P331 不要诱导呕吐。
P303+P361+P353 如皮肤（或头发）：立即脱去所有受污染的衣服。用水/淋浴冲洗皮肤。
P304+P340 如吸入：将受害者置于新鲜空气中并保持舒适。
P305+P351+P338 如眼睛：用大量水小心冲洗数分钟。如果困难，请继续冲洗。
P312 联系中毒/医生。
P337+P313 如眼睛刺激持续：寻求医疗建议/注意。
P370+P378 如发生火灾：使用泡沫、粉末或二氧化碳灭火。
P403+P235 存放在通风良好的地方。保持凉爽。
P405 存储封闭。
P501 用当地的/区域的/国家的/国际的法规处置内容/容器。

其他危害：没有其他危害没有得到分类，未被识别。

3 组成/成分

3.1 化学特征：混合物

成分：
- 108-21-4 乙基乙酯
  - Flm. Lq. 2, H225
  - Eye Irrit. 2A, H319; STOT SE 3, H336
  - 50-75%
- 64741-66-8 石油馏分，轻烷基化
  - Asp. Tox. 1, H304
  - 25-50%
- 64742-47-8 蒸馏石油，改性轻
  - Flm. Lq. 3, H226
  - Asp. Tox. 1, H304
  - Skin Irrit. 2, H315; STOT SE 3, H336
  - <10%

额外信息：
对于列出的成分，其身份和/或精确百分比是作为贸易机密被保留。对于引用的危险声明，参阅第16节。

4 紧急治疗

4.1 紧急治疗措施

4.1.1 描述紧急治疗措施

4.1.1.1 吸入：
提供新鲜空气。
提供氧治疗如果受累患者有困难呼吸。
寻求医疗帮助，症状或昏迷。
在无意识的情况下，将患者稳定在侧卧位进行运输。

4.1.1.2 皮肤接触：
不要把固化的产品从皮肤上移除。
用肥皂和水冲洗。
Trade name: Die-Slide Renovate: PDR 88

If skin irritation or rash occurs: Get medical advice/attention.
- **After eye contact:**
  Remove contact lenses if worn.
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
  Rinse out mouth and then drink plenty of water.
  Do not induce vomiting; immediately call for medical help.
  A person vomiting while lying on their back should be turned onto their side.
- **Most important symptoms and effects, both acute and delayed:**
  Breathing difficulty
  Dizziness
  Coughing
  Irritating to eyes.
  Slight irritant effect on skin and mucous membranes.
- **Danger:**
  May be fatal if swallowed and enters airways.
  Danger of impaired breathing.
- **Indication of any immediate medical attention and special treatment needed:**
  If necessary oxygen respiration treatment.

5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**
    Alcohol resistant foam
    Carbon dioxide
    Gaseous extinguishing agents
    Fire-extinguishing powder
    Water fog / haze
  - **For safety reasons unsuitable extinguishing agents:**
    Water stream.
    Water spray
  - **Special hazards arising from the substance or mixture**
    Highly flammable liquid and vapor.
    Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
  - **Protective equipment:**
    Wear self-contained respiratory protective device.
    Wear fully protective suit.
  - **Additional information:**
    Eliminate all ignition sources if safe to do so.
    Cool endangered containers with water fog.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
  Ensure adequate ventilation.
  Keep away from ignition sources.
  Wear protective equipment. Keep unprotected persons away.
Trade name: Die-Slide Renovate: PDR 88

- **Environmental precautions** Avoid release to the environment.
- **Methods and material for containment and cleaning up**
  Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
  Allow to solidify. Pick up mechanically.
  Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
  - **Precautions for safe handling:**
    Use only in well ventilated areas.
    Keep out of reach of children.
    Open and handle receptacle with care.
    Avoid contact with the eyes and skin.
    Avoid breathing mist, vapors, or spray.
  - **Information about protection against explosions and fires:**
    Highly flammable liquid and vapor.
    Flammable gas-air mixtures may be formed in empty containers/receptacles.

- **Conditions for safe storage, including any incompatibilities**
  - **Requirements to be met by storerooms and receptacles:**
    Store in cool, dry conditions in well sealed receptacles.
    Avoid storage near extreme heat, ignition sources or open flame.
    Protect from humidity and water.
  - **Information about storage in one common storage facility:**
    Store away from foodstuffs.
    Store away from oxidizing agents.
  - **Specific end use(s)** No relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**
    | 108-21-4 isopropyl acetate |
    |---------------------------|
    | PEL (USA) | Long-term value: 950 mg/m³, 250 ppm |
    | TLV (USA) | Short-term value: 626 mg/m³, 150 ppm |
    | Long-term value: 417 mg/m³, 100 ppm |
    | EL (Canada) | Short-term value: 200 ppm |
    | Long-term value: 100 ppm |
    | EV (Canada) | Short-term value: 200 ppm |
    | Long-term value: 100 ppm |
    | LMPE (Mexico) | Short-term value: 200 ppm |
    | Long-term value: 100 ppm |

(Cont'd. on page 5)
Trade name: Die-Slide Renovate: PDR 88

64742-47-8 Distillates (petroleum), hydrotreated light

<table>
<thead>
<tr>
<th>EL (Canada)</th>
<th>Long-term value: 200 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Skin</td>
</tr>
</tbody>
</table>

- **Exposure controls**
  - **General protective and hygienic measures:**
    The usual precautionary measures for handling chemicals should be followed.
    Keep away from foodstuffs, beverages and feed.
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes.
    Avoid close or long term contact with the skin.
    Avoid breathing mist, vapors, or spray.
  - **Engineering controls:** Provide adequate ventilation.
  - **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
  - **Protection of hands:**
    - Protective gloves
  - **Eye protection:**
    - Safety glasses
    - Follow relevant national guidelines concerning the use of protective eyewear.
  - **Body protection:** Protective work clothing
  - **Limitation and supervision of exposure into the environment**
    No relevant information available.
  - **Risk management measures** No relevant information available.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **Appearance:**
    - **Form:** Liquid
    - **Color:** According to product specification
    - **Odor:** Characteristic
    - **Odor threshold:** Not determined.
  - **pH-value:** Not determined.
  - **Melting point/Melting range:** Not determined.
  - **Boiling point/Boiling range:** 92 °C (197.6 °F)
  - **Flash point:** <15 °C (<59 °F)
  - **Flammability (solid, gaseous):** Not applicable.
  - **Auto-ignition temperature:** Not determined.
  - **Decomposition temperature:** Not determined.
Trade name: Die-Slide Renovate: PDR 88

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
  - **Explosion limits**
    - Lower: Not determined.
    - Upper: Not determined.
  - **Oxidizing properties:** Not determined.
  - **Vapor pressure:** Not determined.
  - **Density:**
    - Relative density: 0.89
    - Vapor density: Not determined.
    - Evaporation rate: Not determined.
  - **Solubility in / Miscibility with Water:** Slowly reacts with water.
  - **Partition coefficient (n-octanol/water):** Not determined.
  - **Viscosity**
    - Dynamic: Not determined.
    - Kinematic: Not determined.
  - **Other information** No relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
  - No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
  - Highly flammable liquid and vapor.
  - Used empty containers may contain product gases which form explosive mixtures with air.
  - Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
  - Reacts with oxidizing agents.
  - Reacts with peroxides.
  - Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products**
  - Under fire conditions only:
    - Carbon monoxide and carbon dioxide
    - Nitrogen oxides (NOx)

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:** Based on available data, the classification criteria are not met.
12 Ecological information

- Toxicity
  - Aquatic toxicity: Harmful to aquatic life with long lasting effects.
- Persistence and degradability: No relevant information available.
- Bioaccumulative potential: No relevant information available.
- Mobility in soil: No relevant information available.
- Additional ecological information
  - General notes:
    Avoid release to the environment.
    Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
- Other adverse effects: No relevant information available.

13 Disposal considerations

- Waste treatment methods
### Trade name: Die-Slide Renovate: PDR 88

- **Recommendation:**
  Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

<table>
<thead>
<tr>
<th>Category</th>
<th>DOT, ADR/RID/ADN, IMDG, IATA</th>
<th>UN1139</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td>DOT, IATA</td>
<td>Coating solution</td>
</tr>
<tr>
<td></td>
<td>ADR/RID/ADN</td>
<td>COATING SOLUTION</td>
</tr>
</tbody>
</table>

#### Transport hazard class(es)

**DOT**

- **Class:** 3
- **Label:** 3

**ADR/RID/ADN**

- **Class:** 3 (F1)
- **Label:** 3

**IMDG, IATA**

- **Class:** 3
- **Label:** 3

**Packing group**

**DOT, ADR/RID/ADN, IMDG, IATA**  II

**Environmental hazards**

- **Marine pollutant:** No

**Special precautions for user**

Warning: Flammable liquids

(Cont'd. on page 9)
### Trade name: Die-Slide Renovate: PDR 88

| · Danger code (Kemler): | 33 |
| · EMS Number: | F-E,S-E |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

### Transport/Additional information:

- **DOT**
  - Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

- **ADR/RID/ADN**
  - Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

- **IMDG**
  - Limited Quantity for packages less than 30 kg gross and inner packagings less than 5 L each.

- **IATA**
  - Limited Quantity for packages less than 30 kg gross and inner packagings less than 0.5 L each / 1 L net.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **United States (USA)**
  - **SARA**

  - **Section 302 (extremely hazardous substances):**
    - None of the ingredients are listed.

  - **Section 355 (extremely hazardous substances):**
    - None of the ingredients are listed.

  - **Section 313 (Specific toxic chemical listings):**
    - None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act)**
  - 108-21-4 Isopropyl acetate
  - 64741-66-8 Naphtha (petroleum), light alkylate
  - 64742-47-8 Distillates (petroleum), hydrotreated light
  - 108419-34-7 Acetic acid, C9-11-branched alkyl esters, C10-rich

(Cont'd. on page 10)
Trade name: Die-Slide Renovate: PDR 88

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-16-1</td>
<td>Petroleum Hydrocarbon Resin</td>
</tr>
<tr>
<td>70131-67-8</td>
<td>Dimethyl siloxane, hydroxy-terminated</td>
</tr>
</tbody>
</table>

(Cont’d. of page 9)

- **Proposition 65 (California)**
  - **Chemicals known to cause cancer:**
    None of the ingredients are listed.
  - **Chemicals known to cause developmental toxicity for females:**
    None of the ingredients are listed.
  - **Chemicals known to cause developmental toxicity for males:**
    None of the ingredients are listed.
  - **Chemicals known to cause developmental toxicity:**
    None of the ingredients are listed.
  - **EPA (Environmental Protection Agency):**
    None of the ingredients are listed.
  - **IARC (International Agency for Research on Cancer):**
    None of the ingredients are listed.
  - **Canadian Domestic Substances List (DSL): (Substances not listed.)**
    All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**
  - ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: U.S. Department of Transportation
  - IATA: International Air Transport Association
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bio-accumulative, Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - OSHA: Occupational Safety & Health Administration
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Flam. Liq. 3: Flammable liquids – Category 3
  - Skin Irrit. 2: Skin corrosion/irritation – Category 2
  - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  - Asp. Tox. 1: Aspiration hazard – Category 1

- **Sources**
  - Website, European Chemicals Agency (echa.europa.eu)
  - Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
  - Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
  - Safety Data Sheets, Individual Manufacturers

(Cont’d. on page 11)
Trade name: Die-Slide Renovate: PDR 88

<table>
<thead>
<tr>
<th>SDS Prepared by:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ChemTel Inc.</td>
</tr>
<tr>
<td>1305 North Florida Avenue</td>
</tr>
<tr>
<td>Tampa, Florida USA 33602-2902</td>
</tr>
<tr>
<td>Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573</td>
</tr>
<tr>
<td>Website: <a href="http://www.chemtelinc.com">www.chemtelinc.com</a></td>
</tr>
</tbody>
</table>

(Cont'd. of page 10)