1 Identification

- **Product name:** Deli-Cut, Low Speed Cutting Fluid
- **Part number:** 60-20110, -20115
- **Application of the substance / the mixture:** Lubricant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
  Allied High Tech Products Inc.
  2376 East Pacifica Place
  USA-RANCHO DOMINGUEZ, CA 90220
  USA
  info@alliedhightech.com
- **Information department:** Product safety department
- **Emergency telephone number:**
  During normal opening times: +1 (310) 635-2466
  Chemtrec: +1 (202) 483-7616

2 Hazard(s) identification

- **Classification of the substance or mixture**
  The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
  - **GHS label elements**: Void
  - **Hazard pictograms**: Void
  - **Signal word**: Void
  - **Hazard statements**: Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
  Health = 0
  Fire = 1
  Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**
  - HEALTH
  - FIRE
  - REACTIVITY
  Health = 0
  Fire = 1
  Reactivity = 0
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
### 3 Composition/information on ingredients

**Chemical characterization:** Mixtures  
**Description:** Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>57-55-6 propylene glycol</td>
<td></td>
<td></td>
<td>Acute Tox. 4, H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>50-100%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous Components</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7632-00-0 sodium nitrite</td>
<td></td>
<td></td>
<td>Ox. Sol. 3, H272; Acute Tox. 3, H301; Aquatic Acute 1, H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>≤2.5%</td>
</tr>
<tr>
<td>7732-18-5 water, distilled, conductivity or of similar purity</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 4 First-aid measures

**Description of first aid measures**

**General information:** No special measures required.  
**After inhalation:** Supply fresh air; consult doctor in case of complaints.  
**After skin contact:** Generally the product does not irritate the skin.  
**After eye contact:** Rinse opened eye for several minutes under running water.  
**After swallowing:** If symptoms persist consult doctor.  

**Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**  
  - Headache  
  - Dizziness  
  - Disorientation  
  - Unconsciousness  
  - Nausea  

- **Indication of any immediate medical attention and special treatment needed**  
  - No further relevant information available.

### 5 Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing agents:**  
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture:** No further relevant information available.

**Advice for firefighters**

**Protective equipment:** No special measures required.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Not required.  
**Environmental precautions:**

- Do not allow to enter sewers/ surface or ground water.  
- Dilute with plenty of water.  

**Methods and material for containment and cleaning up:**  
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Product name: Deli-Cut, Low Speed Cutting Fluid

- 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.

- Protective Action Criteria for Chemicals

  - PAC-1:
    | Component       | Limit Value |
    |-----------------|-------------|
    | 57-55-6 propylene glycol | 30 mg/m³  |
    | 7632-00-0 sodium nitrite      | 6.4 mg/m³ |

  - PAC-2:
    | Component       | Limit Value |
    |-----------------|-------------|
    | 57-55-6 propylene glycol | 1,300 mg/m³ |
    | 7632-00-0 sodium nitrite      | 71 mg/m³ |

  - PAC-3:
    | Component       | Limit Value |
    |-----------------|-------------|
    | 57-55-6 propylene glycol | 7,900 mg/m³ |
    | 7632-00-0 sodium nitrite      | 240 mg/m³ |

7 Handling and storage

- Handling:
  - Precautions for safe handling: No special measures required.
  - Information about protection against explosions and fires: No special measures required.

- Conditions for safe storage, including any incompatibilities

- Storage:
  - Requirements to be met by storerooms and receptacles:
    - Store in a cool location.
    - No special requirements.
  - Information about storage in one common storage facility: Store away from oxidizing agents.
  - Further information about storage conditions: None.
  - Specific end use(s): No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.

- Control parameters

  - Components with limit values that require monitoring at the workplace:
    | Component                  | Limit Value |
    |---------------------------|-------------|
    | 57-55-6 propylene glycol  |             |
    | WEEL                      | Long-term value: 10 mg/m³ |

- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls
  - Personal protective equipment:
  - General protective and hygienic measures:
    The usual precautionary measures for handling chemicals should be followed.
  - Breathing equipment:
    - Not required.
    - Use suitable respiratory protective device in case of insufficient ventilation.
  - Protection of hands: Not required.
  - Material of gloves
    - Nitrile rubber, NBR
## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

- **Appearance:**
  - **Form:** Liquid
  - **Color:** Red
- **Odor:** Odorless
- **Odor threshold:** Not determined.

- **pH-value at 20 °C (68 °F):** 7

- **Change in condition**
  - **Melting point/Melting range:** -1 °C (30.2 °F)
  - **Boiling point/Boiling range:** 100 °C (212 °F)

- **Flash point:** >93.3 °C (>199.9 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.

- **Vapor pressure at 20 °C (68 °F):** 0.1 hPa (0.1 mm Hg)

- **Density at 20 °C (68 °F):** 1.0301 g/cm³ (8.59618 lbs/gal)
  - **Relative density:** Not determined.
  - **Vapor density:** Not determined.
  - **Specific gravity:** 1.03
  - **Evaporation rate:** Not determined.

- **Solubility in / Miscibility with**
  - **Water:** Not miscible or difficult to mix.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.

- **Solvent content:**
  - **Organic solvents:** 81.7 %
  - **Water:** 18.2 %
  - **VOC content:** 81.74 %
  - **Solids content:** 0.1 %
Product name: Deli-Cut, Low Speed Cutting Fluid

<table>
<thead>
<tr>
<th>10 Stability and reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Reactivity No further relevant information available.</td>
</tr>
<tr>
<td>· Chemical stability</td>
</tr>
<tr>
<td>· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.</td>
</tr>
<tr>
<td>· Possibility of hazardous reactions No dangerous reactions known.</td>
</tr>
<tr>
<td>· Conditions to avoid</td>
</tr>
<tr>
<td>Keep away from alkaline solutions.</td>
</tr>
<tr>
<td>Keep away from oxidising agents and acidic substances.</td>
</tr>
<tr>
<td>· Incompatible materials: Amines</td>
</tr>
<tr>
<td>· Hazardous decomposition products:</td>
</tr>
<tr>
<td>Aldehyde</td>
</tr>
<tr>
<td>Carbon monoxide and carbon dioxide</td>
</tr>
<tr>
<td>· Additional information: Hazardous decomposition products may form during combustion.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11 Toxicological information</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Information on toxicological effects</td>
</tr>
<tr>
<td>· Acute toxicity:</td>
</tr>
<tr>
<td>· LD/LC50 values that are relevant for classification:</td>
</tr>
<tr>
<td>ATE (Acute Toxicity Estimate)</td>
</tr>
<tr>
<td>Oral LD50 2,447 mg/kg (rat)</td>
</tr>
<tr>
<td>57-55-6 propylene glycol</td>
</tr>
<tr>
<td>Oral LD50 2,000 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50 20,800 mg/kg (rabbit)</td>
</tr>
<tr>
<td>· Primary chemical irritant effect:</td>
</tr>
<tr>
<td>· on the skin: No irritant effect.</td>
</tr>
<tr>
<td>· on the eye: No irritating effect.</td>
</tr>
<tr>
<td>· Sensitization: No sensitizing effects known.</td>
</tr>
<tr>
<td>· Additional toxicological information:</td>
</tr>
<tr>
<td>When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12 Ecological information</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Toxicity</td>
</tr>
<tr>
<td>· Aquatic toxicity: No further relevant information available.</td>
</tr>
</tbody>
</table>
Product name: Deli-Cut, Low Speed Cutting Fluid

- Persistence and degradability: No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 1 (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation: Contact waste processors for recycling information.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number: not regulated
  - DOT, ADN, IMDG, IATA
- UN proper shipping name: not regulated
  - DOT, ADN, IMDG, IATA
- Transport hazard class(es)
  - DOT, ADN, IMDG, IATA
  - Class: not regulated
- Packing group: not regulated
  - DOT, IMDG, IATA
- Environmental hazards:
  - Marine pollutant: No
- Special precautions for user: Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
- UN "Model Regulation": not regulated

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara
  - Section 355 (extremely hazardous substances):
    None of the ingredients is listed.
### Safety Data Sheet

**Product name:** Deli-Cut, Low Speed Cutting Fluid

#### Section 313 (Specific toxic chemical listings):  
- 7632-00-0 sodium nitrite

#### TSCA (Toxic Substances Control Act):  
- 57-55-6 propylene glycol  
- 7632-00-0 sodium nitrite  
- 7732-18-5 water, distilled, conductivity or of similar purity

#### Hazardous Air Pollutants
None of the ingredients is listed.

#### Proposition 65
- **Chemicals known to cause cancer:**  
  None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for females:**  
  None of the ingredients is listed.
- **Chemicals known to cause reproductive toxicity for males:**  
  None of the ingredients is listed.
- **Chemicals known to cause developmental toxicity:**  
  None of the ingredients is listed.

#### Carcinogenic categories
- **EPA (Environmental Protection Agency)**  
  None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**  
  None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
  None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

- **Department issuing SDS:** Environment protection department.
- **Contact:** Kim Dermit
- **Date of preparation / last revision** 04/30/2019

**Abbreviations and acronyms:**  
- IMDG: International Maritime Code for Dangerous Goods  
- DOT: US Department of Transportation  
- IATA: International Air Transport Association  
- ACGIH: American Conference of Governmental Industrial Hygienists  
- EINECS: European Inventory of Existing Commercial Chemical Substances  
- ELINCS: European List of Notified Chemical Substances  
- CAS: Chemical Abstracts Service (division of the American Chemical Society)  
- NFFA: National Fire Protection Association (USA)  
- HMIS: Hazardous Materials Identification System (USA)  
- VOC: Volatile Organic Compounds (USA, EU)  
- LC50: Lethal concentration, 50 percent  
- LD50: Lethal dose, 50 percent  
- PBT: Persistent, Bioaccumulative and Toxic  
- vPvB: very Persistent and very Bioaccumulative  
- NIOSH: National Institute for Occupational Safety  
- OSHA: Occupational Safety & Health
Product name: Deli-Cut, Low Speed Cutting Fluid

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Acute Tox. 4: Acute toxicity – Category 4