1 Identification

- **Product name**: Cutting Fluid - High Speed OIl-based
- **Part number**: 80-10140, -10145
- **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**
  - GHS09 Environment
    - Aquatic Chronic 2  H411  Toxic to aquatic life with long lasting effects.
  - **Label elements**
    - **GHS label elements**: The product is classified and labeled according to the Globally Harmonized System (GHS).
    - **Hazard pictograms**

  
  - **Signal word**: Void
  - **Hazard statements**: Toxic to aquatic life with long lasting effects.
  - **Precautionary statements**
    - If medical advice is needed, have product container or label at hand.
    - Keep out of reach of children.
    - Read label before use.
    - Avoid release to the environment.

(Contd. on page 2)
Product name: Cutting Fluid - High Speed Oil-based

Collect spillage.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 1
    - Fire = 1
    - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - HEALTH
    - Health = 1
  - FIRE
    - Fire = 1
  - REACTIVITY
    - Reactivity = 0

- Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: 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>
</tr>
</thead>
<tbody>
<tr>
<td>64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>50-100%</td>
</tr>
<tr>
<td>63449-39-8 Paraffin waxes and Hydrocarbon waxes, chloro</td>
<td>10-&lt;25%</td>
</tr>
<tr>
<td>770-35-4 1-Phenoxypropan-2-ol</td>
<td>2.5-&lt;10%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous Components</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>68389-49-1 Emulisifier</td>
<td>10-&lt;25%</td>
</tr>
<tr>
<td>68608-26-4 Sodium petroleum sulfonate</td>
<td>2.5-&lt;10%</td>
</tr>
<tr>
<td>125304-09-8 Ether carboxylate</td>
<td>2.5-&lt;10%</td>
</tr>
</tbody>
</table>

4 First-aid measures

- Description of first aid measures
  - 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: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.
Product name: Cutting Fluid - High Speed Oil-based

6 Accidental release measures

- Advice for firefighters
  - Protective equipment: No special measures required.

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: No special measures required.
- Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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: No special precautions are necessary if used correctly.
  - 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: No special requirements.
    - Information about storage in one common storage facility: Not required.
    - 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:
    - 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic
      - TLV  Long-term value: 5 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: Wash hands before breaks and at the end of work.
    - Breathing equipment: Not required.
- Protection of hands:
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - Form: Liquid
      - Color: Light brown
    - **Odor:**
      - Almonds
    - **Odour threshold:**
      - Not determined.
    - **pH-value at 20 °C (68 °F):** > 8.5
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** 300 °C (572 °F) (ASTM D86)
  - **Flash point:** 151 °C (304 °F) (ASTM D92)
  - **Flammability (solid, gaseous):** Not applicable.
  - **Ignition temperature:** 500 °C (932 °F) (ASTM E659)
  - **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:** Not determined.
  - **Density at 20 °C (68 °F):** 0.98 g/cm³ (8.178 lbs/gal)
  - **Relative density** Not determined.
  - **Vapour density** Not determined.
  - **Evaporation rate** Not determined.
  - **Solubility in / Miscibility with**
    - **Water:** Emulsifiable.
  - **Partition coefficient (n-octanol/water):** Not determined.
  - **Viscosity:**
    - **Dynamic:** Not determined.
    - **Kinematic at 40 °C (104 °F):** 58 mm²/s (ASTM D445)
  - **Solvent content:**
    - **Organic solvents:** 0.0 %
    - **VOC content:** 23.8 g/l / 0.20 lb/gl
  - **Other information**
    - No further relevant information available.

---

**USA**

(Contd. on page 5)
### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Trace amounts of HCl above 80 C (176 F)
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid**
  - Strong acids
  - Direct solar irradiation of concentrate
  - Strong oxidizing agents
- **Incompatible materials:** Magnesium
- **Hazardous decomposition products:**
  - Hydrogen chloride (HCl)
  - Sulfur oxides (SOx)
  - Nitrogen oxides (NOx)
  - Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - **Primary irritant effect:**
    - **on the skin:** No irritant effect.
    - **on the eye:** No irritating effect.
  - **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

#### IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

#### NTP (National Toxicology Program)
None of the ingredients is listed.

#### OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
Product name: Cutting Fluid - High Speed Oil-based

13 Disposal considerations

· Waste treatment methods
  · Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

14 Transport information

· UN-Number
  · DOT NA3082
  · ADN, IATA not regulated
  · IMDG UN3082

· UN proper shipping name
  · DOT Environmentally hazardous substances, liquid, n.o.s. (Paraffin waxes and Hydrocarbon waxes, chloro)
  · ADN, IATA not regulated
  · IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Paraffin waxes and Hydrocarbon waxes, chloro), MARINE POLLUTANT

· Transport hazard class(es)
  · DOT, IMDG
  · Class 9 Miscellaneous dangerous substances and articles
  · Label 9
  · ADN/R Class: not regulated

· Packing group
  · DOT, IMDG III
  · IATA not regulated

· Environmental hazards:
  · Product contains environmentally hazardous substances: Paraffin waxes and Hydrocarbon waxes, chloro

· Marine pollutant:
  · Yes Symbol (fish and tree)

· Special precautions for user
  · Not applicable.

· EMS Number:
  · F-A,S-F

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  · Not applicable.
Product name: Cutting Fluid - High Speed Oil-based

- Transport/Additional information:
  - DOT
  - Quantity limitations
    On passenger aircraft/rail: No limit
    On cargo aircraft only: No limit
  - Remarks:
    Special marking with the symbol (fish and tree).

- IMDG
  - Limited quantities (LQ)
    5L
  - Exempted quantities (EQ)
    Code: E1
    Maximum net quantity per inner packaging: 30 ml
    Maximum net quantity per outer packaging: 1000 ml

- UN "Model Regulation":
  - USA

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.
    - Section 313 (Specific toxic chemical listings):
      None of the ingredients is listed.
    - TSCA (Toxic Substances Control Act):
      All ingredients are 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** 05/19/2015 / -
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - 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)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - VOC: Volatile Organic Compounds (USA, EU)
  - Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2