1 Identification

- **Product name**: Cutting Fluid - High Speed Oil-based (Undiluted)
- **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**

  ![GHS07]

  Eye Irrit. 2A  H319  Causes serious eye irritation.
  Skin Sens. 1  H317  May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements**: The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**

  ![GHS07]

- **Signal word**: Warning

- **Hazard-determining components of labeling**: 2-octyl-2H-isothiazol-3-one
- **Hazard statements**
  Causes serious eye irritation.
  May cause an allergic skin reaction.
Precautionary statements
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
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 = 1
  - Fire = 1
  - 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.

- Hazardous Components:
  - 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic 50-100%
  - 770-35-4 1-Phenoxypropan-2-ol Flam. Liq. 3, H226 2.5-10%
  - 26530-20-1 2-octyl-2H-isothiazol-3-one Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Sens. 1, H317 ≤2.5%

- Non-hazardous Components:
  - 68608-26-4 Sodium petroleum sulfonate 2.5-10%
  - 68956-41-2 Emulsifiers, based on fatty acids with alkanolamines 2.5-10%
  - 125304-09-8 Ether carboxylate 2.5-10%
  - 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt Acute Tox. 3, H301; Skin Irrit. 2, H315; Eye Irrit. 2A, H319 ≤2.5%
4 First-aid measures

- Description of first aid measures
  - After inhalation:
    Supply fresh air and to be sure call for a doctor.
    In case of unconsciousness place patient stably in side position for transportation.
  - After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
  - After eye contact:
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - 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.
- 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 product to reach sewage system or any water course.
  - 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).
- 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:
  - None of the ingredients is listed.

- PAC-2:
  - None of the ingredients is listed.

- PAC-3:
  - None of the ingredients is listed.

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.

(Contd. of page 4)
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- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
    - Information about storage in one common storage facility: Store away from oxidizing agents.
  - Further information about storage conditions:
    - Storage temperature between -40 °C and 40 °C
    - Duration of storage: In closed, original container, at least 24 months
    - Keep receptacle tightly sealed.
  - 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:
    - The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
      - At this time, the other constituents have no known exposure limits.

<table>
<thead>
<tr>
<th>64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
</tr>
<tr>
<td>TLV</td>
</tr>
</tbody>
</table>

- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      - Keep away from foodstuffs, beverages and feed.
      - Immediately remove all soiled and contaminated clothing.
      - Wash hands before breaks and at the end of work.
      - Avoid contact with the eyes.
      - Avoid contact with the eyes and skin.
  - Breathing equipment: Not required.
- Protection of hands:
  - Protective gloves

- Material of gloves
  - Nitrile rubber, NBR
  - Recommended thickness of the material: ≥ 0.3 mm
- Penetration time of glove material
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
  - **Appearance**:
    - **Form**: Liquid
    - **Color**: Light brown
  - **Odor**: Almonds
  - **Odor 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 (303.8 °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 (8.1781 lbs/gal) (ASTM D1217)
  - **Relative density**: Not determined.
  - **Vapor 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**:
  - **VOC content**: 0.00 %
    - 23.8 g/l / 0.20 lb/gl
10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Keep away from oxidising agents and acidic substances.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
  - Chlorine compounds
  - Hydrogen chloride (HCl)
  - Sulfur oxides (SOx)
  - Nitrogen oxides (NOx)
  - Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
    - Oral LD50 7,220 mg/kg (rat)
    - Inhalative LC50/4 h 65.5 mg/l (rat)
  - 26530-20-1 2-octyl-2H-isothiazol-3-one
    - Oral LD50 500 mg/kg (ATE)
    - Dermal LD50 300 mg/kg (ATE)
    - Inhalative LC50/4 h 3 mg/l (ATE)
- **Primary chemical irritant effect:**
  - on the skin: No irritant effect.
  - on the eye: Irritating effect.
  - Sensitization: Sensitization possible through skin contact.
- **Additional toxicological information:**
- **Carcinogenic categories**
  - 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.
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- 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 packaging:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADN, IMDG, IATA: not regulated
- UN proper shipping name
  - DOT, ADN, IMDG, IATA: not regulated
- Transport hazard class(es)
  - DOT, ADN, IMDG, IATA: not regulated
- Class
  - DOT, ADN, IMDG, IATA: not regulated
- Packing group
  - DOT, ADN, IMDG, IATA: not regulated
- 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.

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

- **TSCA (Toxic Substances Control Act):**
  
  - 770-35-4 1-Phenoxypropan-2-ol
  - 68608-26-4 Sodium petroleum sulfonate
  - 68956-41-2 Emulsifiers, based on fatty acids with alkanolamines
  - 125304-09-8 Ether carboxylate
  - 26530-20-1 2-octyl-2H-isothiazol-3-one
  - 3811-73-2 pyridine-2-thiol 1-oxide, sodium salt

- **TSCA new (21st Century Act) (Substances not listed):**
  
  - 64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic
  - 125304-09-8 Ether carboxylate
  - 26530-20-1 2-octyl-2H-isothiazol-3-one

- **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** 06/12/2018 / -
- **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
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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)
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
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1