1 Identification

- Product name: Lubri-Cut, High Speed Cutting Fluid (Undiluted)
- Part number: 80-10130, 80-10135
- 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

  Skin Sens. 1  H317  May cause an allergic skin reaction.
  STOT SE 3  H335  May cause respiratory irritation.

- 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:
  Triethanolamine
- Hazard statements:
  May cause an allergic skin reaction.
  May cause respiratory irritation.
- Precautionary statements:
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Use only outdoors or in a well-ventilated area.
  Contaminated work clothing must not be allowed out of the workplace.

(Contd. on page 2)
Product name: Lubri-Cut, High Speed Cutting Fluid (Undiluted)

Wear protective gloves.
If on skin: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center/doctor if you feel unwell.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:
· NFPA ratings (scale 0 - 4)
  Health = 0
  Fire = 0
  Reactivity = 0
· HMIS-ratings (scale 0 - 4)
  HEALTH 0
  FIRE 0
  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>102-71-6 Triethanolamine</td>
<td>Skin Sens. 1B, H317; STOT SE 3, H335 ≥20-≤25%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-hazardous Components:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Ingredient</td>
</tr>
</tbody>
</table>

· Additional information: The specific chemical identity and/or exact percentage of the composition has been withheld as a trade secret.

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.
· 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 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).
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
- 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

<table>
<thead>
<tr>
<th>PAC-1:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>PAC-2:</td>
<td></td>
</tr>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>240 mg/m³</td>
</tr>
<tr>
<td>PAC-3:</td>
<td></td>
</tr>
<tr>
<td>102-71-6 Triethanolamine</td>
<td>1,500 mg/m³</td>
</tr>
</tbody>
</table>

7 Handling and storage

- Handling:
  - Precautions for safe handling: Prevent formation of aerosols.
  - 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: Not required.
  - Further information about storage conditions:
    - Keep receptacle tightly sealed.
    - Store receptacle in a well ventilated area.
  - 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:
    - 102-71-6 Triethanolamine
      - 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:
    - Keep away from foodstuffs, beverages and feed.
    - Immediately remove all soiled and contaminated clothing.
    - Wash hands before breaks and at the end of work.
  - Breathing equipment: Use suitable respiratory protective device when high concentrations are present.

(Contd. on page 4)
Product name: Lubri-Cut, High Speed Cutting Fluid (Undiluted)

- Protection of hands:
  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

  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 can not be calculated in advance and has therefore to be checked prior to the application.

- 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.

- Eye protection: Goggles recommended during refilling.

## 9 Physical and chemical properties

- Information on basic physical and chemical properties

  - General Information
    - Appearance:
      - Form: Liquid
      - Color: Yellow
      - Odor: Mild
    - Odor threshold: Not determined.

  - pH-value at 20 °C (68 °F):
    8.7-9.1

- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 102 °C (215.6 °F)

- Flash point:
  Not applicable.

- 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:
  Not determined.

- Density:
  Not determined.

- Relative density
  Not determined.

- Vapor density
  Not determined.

- Specific gravity:
  1.09

- Evaporation rate
  <1 (butyl acetate = 1)

- Solubility in / Miscibility with
  - Water: Fully miscible.

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

- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
Product name: Lubri-Cut, High Speed Cutting Fluid (Undiluted)

<table>
<thead>
<tr>
<th>· Solvent content:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organic solvents: 20.0 %</td>
</tr>
<tr>
<td>VOC content: 20.00 %</td>
</tr>
<tr>
<td>200.0 g/l / 1.67 lb/gal</td>
</tr>
</tbody>
</table>

· Other information No further relevant information available.

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 oxidizing agents and acidic substances.
  · Incompatible materials: No further relevant information available.
  · Hazardous decomposition products: Carbon monoxide and carbon dioxide
  · Additional information: Hazardous decomposition products may form during combustion.

11 Toxicological information

· Information on toxicological effects
· Acute toxicity:
  · LD/LC50 values that are relevant for classification:
    - Oral LD50 >5,000 mg/kg (rat)
    - Dermal LD50 >2,000 mg/kg (rabbit)

102-71-6 Triethanolamine

· Oral LD50 8,000 mg/kg (rat)

· Primary chemical irritant effect:
  · on the skin: No irritant effect.
  · on the eye: No irritating effect.
  · Sensitization: Sensitization possible through skin contact.
· Additional toxicological information:

· Carcinogenic categories
  · IARC (International Agency for Research on Cancer)
    102-71-6 Triethanolamine 3
  · 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:
    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.
Product name: Lubri-Cut, High Speed Cutting Fluid (Undiluted)

- 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.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

### 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 Class not regulated

- Packing group
  - DOT, 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.

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

  - TSCA (Toxic Substances Control Act):
    All components have the value ACTIVE.

- 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
· Last revision: 04/28/2020 / 1.0
· 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)
  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
  Skin Sens. 1: Skin sensitisation – Category 1
  Skin Sens. 1B: Skin sensitisation – Category 1B
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3