SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : TECH COOL® 35052

Substance number : REL_76560

Chemical usage : Coolant., Lubricant.

Manufacturer or supplier’s details

Company : Chemetall US, Inc.
Address : 675 Central Avenue
           New Providence NJ 07974
Telephone : (800) 526-4473
Telefax : (908) 464-4658
Emergency telephone no : CHEMTREC - 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

<table>
<thead>
<tr>
<th>Appearance</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>amber</td>
</tr>
<tr>
<td>Odour</td>
<td>none</td>
</tr>
<tr>
<td>Hazard Summary</td>
<td>May cause skin irritation. Irritating to eyes. May be harmful if swallowed</td>
</tr>
</tbody>
</table>

GHS Classification

Eye irritation : Category 2B

GHS Label element

Signal word : Warning

Hazard statements : Causes eye irritation.

Precautionary statements : Prevention: Wash skin thoroughly after handling. Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Potential Health Effects

Inhalation : no
Skin: yes
Ingestion: yes
Aggravated Medical Condition: None known.

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture:

Hazardous components

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>distillates (petroleum), hydrotreated heavy</td>
<td>64742-52-5</td>
<td>20 - 30</td>
</tr>
<tr>
<td>naphthenic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade Secret Registry</td>
<td>735517-5158P</td>
<td>1 - 5</td>
</tr>
<tr>
<td>trade secret registry</td>
<td>735517-5160P</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>


Specific chemical identity of composition has been withheld as a trade secret.

Exact percentage of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

If inhaled: Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact: Flush skin with large amounts of water. If irritation develops and persists, get medical attention.

In case of eye contact: Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing.
Seek medical advice.

If swallowed:
- Rinse mouth.
- Drink plenty of water.
- Obtain medical attention.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Further information: Use water spray to cool unopened containers.

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation.

Methods and materials for containment and cleaning up:
- Ventilate area.
- Clean up with inert absorbant material.
- Keep in suitable, closed containers for disposal.
- Flush with plenty of water.

Additional advice: Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Use only with adequate ventilation.

Conditions for safe storage:
- Store indoors in a cool, well-ventilated place.
- KEEP FROM FREEZING.
- Keep containers dry and tightly closed to avoid moisture absorption and contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
<td>TWA (Mist)</td>
<td>5.000000 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalable)</td>
<td>5.000000 mg/m³</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>
**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance**: liquid
- **Colour**: amber
- **Odour**: none
- **pH**: 8.5 - 9.5, Concentration: 51.36000 g/l
- **Freezing point**: -2.2 °C
- **Boiling point/boiling range**: no data available
- **Flash point**: does not flash
- **Evaporation rate**: 1
  Water = 1
- **Upper explosion limit**: not applicable
- **Lower explosion limit**: not applicable
- **Vapour pressure**: no data available
- **Relative density**: 1.026
- **Bulk density**: 8.56 lb/gal
- **Solubility(ies)**
  - Water solubility: emulsifiable
- **Partition coefficient: n-**
  - no data available
SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid: Direct sources of heat.
   freezing

Incompatible materials: Strong acids

Hazardous decomposition products: Carbon oxides
   Nitrogen oxides (NOx)
   Chlorine
   Boron oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity: Acute toxicity estimate: > 5,000.000000 mg/kg
   Method: Calculation method

Acute inhalation toxicity: Acute toxicity estimate: 31.840000 mg/l
   Exposure time: 4 h
   Test atmosphere: vapour
   Method: Calculation method

Components:

distillates (petroleum), hydrotreated heavy naphthenic:

Acute oral toxicity: LD50 rat: > 5,000.000000 mg/kg

Acute inhalation toxicity: LC50 rat: > 10.000000 mg/l
   Exposure time: 4 h

Acute dermal toxicity: LD50 rabbit: > 2,000.000000 mg/kg

Trade Secret Registry:

Acute oral toxicity: LD50 mouse: 2,150.000000 mg/kg
   LD50 rat: 2,900.000000 mg/kg
Skin corrosion/irritation

**Components:**

Trade Secret Registry:
Result: Mild skin irritation

Trade secret registry:
Result: Mild skin irritation

Serious eye damage/eye irritation

**Product:**
Result: Mild eye irritation

**Components:**

Trade Secret Registry:
Result: Eye irritation

Trade secret registry:
Result: Eye irritation

Respiratory or skin sensitisation
no data available

Germ cell mutagenicity
no data available

Carcinogenicity
no data available

Reproductive toxicity
no data available

STOT - single exposure
no data available

STOT - repeated exposure
no data available

Aspiration toxicity
no data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
no data available

Bioaccumulative potential

**Product:**
Partition coefficient: \( n \)-octanol/water

**Remarks:** no data available

**Components:**

- **Trade secret registry:**
- **Partition coefficient: \( n \)-octanol/water:** log Pow: 3.3 - 4.4

### Other adverse effects

#### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

- **Waste from residues:** Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

#### SECTION 14. TRANSPORT INFORMATION

**International regulation**

- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
  
- Not applicable for product as supplied.

**National Regulations**

#### SECTION 15. REGULATORY INFORMATION

**TSCA Status**

- All components of this material comply with US TSCA requirements.

**OSHA Hazards**

- Mild eye irritant, Mild skin irritant

**WHMIS Classification**

- D2B: Toxic Material Causing Other Toxic Effects

**EPCRA - Emergency Planning and Community Right-to-Know Act**

- **SARA 311/312 Hazards**
  
- No SARA Hazards

- **SARA 302**
  
- SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

- **SARA 313**
  
- SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**
Massachusetts Right To Know

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
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</table>

Pennsylvania Right To Know

<table>
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<th>CAS Number</th>
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<tbody>
<tr>
<td>distillates (petroleum), hydrotreated heavy</td>
<td>64742-52-5</td>
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<tr>
<td>naphthenic</td>
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<tr>
<td>water</td>
<td>7732-18-5</td>
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<td>Alkanes, C14-17, Chloro</td>
<td>85535-85-9</td>
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<tr>
<td>Amine salt of boric acid</td>
<td>93964-50-2</td>
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<td>Triethanolamine salts of dibasic acids</td>
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New Jersey Right To Know

<table>
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NFPA:  

<table>
<thead>
<tr>
<th>NFPA:</th>
<th>Flammability</th>
<th>Health</th>
<th>Instability</th>
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<tbody>
<tr>
<td></td>
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HMIS III:  

<table>
<thead>
<tr>
<th>HMIS III:</th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Safety Glasses, Gloves, Vapour Respirator

SECTION 16. OTHER INFORMATION

Further information

Version 1.0
Revision Date 05/15/2015

Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

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