

**TECH COOL<sup>®</sup> 35048**

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product name : TECH COOL<sup>®</sup> 35048

Substance number : REL\_76272

Chemical usage : 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**

Appearance	liquid
Colour	amber
Odour	none
Hazard Summary	Repeated or prolonged exposure may cause irritation of eyes and skin. Also harmful if swallowed.

**GHS Classification**

Acute toxicity (Inhalation) : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

**GHS Label element**

Hazard pictograms :



Signal word : Warning

Hazard statements : Causes skin irritation.  
Causes serious eye irritation.  
Harmful if inhaled.

**TECH COOL® 35048**

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

Precautionary statements : **Prevention:**  
 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 Wash skin thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear eye protection/ face protection.  
 Wear protective gloves.

**Response:**  
 IF ON SKIN: Wash with plenty of soap and water.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If skin irritation occurs: Get medical advice/ attention.  
 If eye irritation persists: Get medical advice/ attention.  
 Take off contaminated clothing and wash before reuse.

**Potential Health Effects**

Inhalation : no

Skin : no

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.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture :

**Hazardous components**

Component	CAS-No.	Weight percent
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**TECH COOL® 35048**

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	30 - 50
Ethoxylated tallow amine	61791-26-2	1 - 5
2-(butylamino)-ethanol	111-75-1	1 - 5
trade secret registry	735517-5160P	1 - 5

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

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. If eye irritation persists, consult a specialist.
- 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.

**TECH COOL® 35048**

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : Use with adequate ventilation.
- Conditions for safe storage : Keep containers dry and tightly closed to avoid moisture absorption and contamination.  
Store indoors in a cool, well-ventilated place

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	TWA (Mist)	5.000000 mg/m3	OSHA Z-1
		TWA (Inhalable fraction)	5.000000 mg/m3	ACGIH
		TWA (Mist)	5.000000 mg/m3	NIOSH REL
		ST (Mist)	10.000000 mg/m3	NIOSH REL
		TWA (Mist)	5.000000 mg/m3	OSHA P0

**Personal protective equipment**

- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hand protection  
Remarks : Rubber gloves
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Lightweight protective clothing
- Hygiene measures : Avoid contact with skin, eyes and clothing.  
Wear suitable gloves and eye/face protection.  
Wear suitable protective clothing.  
Wash hands before breaks and immediately after handling the product.  
Provide adequate ventilation.  
Do not inhale fumes.  
Keep away from food and drink.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Colour : amber

**TECH COOL<sup>®</sup> 35048**

Version 0.1

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Odour	: none
pH	: 8.5 - 9.8, Concentration: 48.00000 g/l
Freezing point	: 0 °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	: 0.965
Bulk density	: 8.05 lb/gal
Solubility(ies)	
Water solubility	: emulsifiable
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	: Direct sources of heat.
Incompatible materials	: Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	: Nitrogen Oxides Carbon 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 : 18.140000 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method

**TECH COOL<sup>®</sup> 35048**

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

**Components:****distillates (petroleum), hydrotreated heavy naphthenic:**

Acute oral toxicity : LD50 rat: &gt; 5,000.000000 mg/kg

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

Acute dermal toxicity : LD50 rabbit: &gt; 2,000.000000 mg/kg

**Ethoxylated tallow amine:**

Acute oral toxicity : LD50 rat: 1,000.000000 - 2,000.000000

**2-(butylamino)-ethanol:**

Acute oral toxicity : LD50 rat: 1,150.000000 - 7,270.000000

LD50 rat: 980.000000 mg/kg

Acute inhalation toxicity : no data available : Exposure time: 8 h

Acute dermal toxicity : LD50 rabbit: &gt; 2,000.000000 mg/kg

**Skin corrosion/irritation****Components:****trade secret registry:**

Result: Mild skin irritation

**Serious eye damage/eye irritation****Components:****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**

**TECH COOL® 35048**

Version 0.1

Revision Date 05/15/2015

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no data available

**Aspiration toxicity**

no data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

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** : Harmful by ingestion., Mild skin irritant, Moderate eye irritant  
**WHMIS Classification** : D2B: Toxic Material Causing Other Toxic Effects**EPCRA - Emergency Planning and Community Right-to-Know Act****SARA 311/312 Hazards** : Acute Health Hazard

**TECH COOL® 35048**

Version 0.1

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Print Date 05/22/2015

**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**

distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5

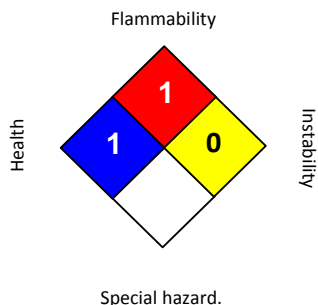
**Pennsylvania Right To Know**

distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5  
 water 7732-18-5  
 Amine salt of boric acid 93964-50-2  
 Fatty acids, tall oil triethanolamine salt 67784-78-5  
 Trade Secret Not Available  
 Ethoxylated tallow amine 61791-26-2

**New Jersey Right To Know**

distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5  
 water 7732-18-5  
 Amine salt of boric acid 93964-50-2  
 Fatty acids, tall oil triethanolamine salt 67784-78-5  
 Trade Secret Not Available

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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

Safety Glasses, Gloves, Apron

**SECTION 16. OTHER INFORMATION**



**TECH COOL<sup>®</sup> 35048**

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

**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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