

TECH COOL® 35200

Version 0.1

Revision Date 05/15/2015

Print Date 12/24/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : TECH COOL® 35200

Substance number : REL_76280

Chemical usage : Coolant.

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	mild
Hazard Summary	Irritating to eyes. May cause skin irritation. Also harmful by inhalation and 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.

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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
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

Component	CAS-No.	Weight percent
distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	20 - 30
Trade Secret Registry	735517-5158P	5 - 10
Triethanolamine	102-71-6	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).

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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 : Keep containers dry and tightly closed to avoid moisture absorption and contamination.
Store indoors in a cool, well-ventilated place

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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
Triethanolamine	102-71-6	TWA	5.000000 mg/m3	ACGIH

Personal protective equipment

- Respiratory protection : If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
- Hand protection
Remarks : Impervious gloves
- Eye protection : Safety glasses with side-shields
- Skin and body protection : Rubber or plastic apron
- 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.
Avoid generating excessive amounts of fumes and mists.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : amber
- Odour : mild
- pH : 9.0 - 9.9, Concentration: 50.60000 g/l
- Freezing point : -3.8 °C
- Boiling point/boiling range : no data available
- Flash point : > 93.4 °C

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Evaporation rate	: 1 Water = 1
Upper explosion limit	: Not applicable.
Lower explosion limit	: Not applicable.
Vapour pressure	: no data available
Relative density	: 1.010
Bulk density	: 8.43 lb/gal
Solubility(ies)	
Water solubility	: emulsifiable
Partition coefficient: n-octanol/water	: no data available
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
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 : 12.290000 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

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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
Triethanolamine: Acute oral toxicity	: LD50 mouse: 5,846.000000 mg/kg LD50 rabbit: 2,200.000000 mg/kg LD50 rat: 4,920.000000 mg/kg
Acute inhalation toxicity	: Target Organs: Respiratory Tract, Liver, Blood, Urinary system, Cardio-vascular system
Acute dermal toxicity	: LD50 rat: > 16,000.000000 mg/kg LD50 rabbit: > 20,000.000000 mg/kg
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: > 2,000.000000 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**Components:**

Trade Secret Registry:
Result: Eye irritation

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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.

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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

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
Trade Secret Registry	735517-5158P
Triethanolamine	102-71-6

Pennsylvania Right To Know

water	7732-18-5
distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Fatty acids, tall oil triethanolamine salt	67784-78-5
Trade Secret Registry	735517-5158P
Trade Secret Registry	735517-5119P
Trade Secret	Not Available
Triethanolamine	102-71-6

New Jersey Right To Know

water	7732-18-5
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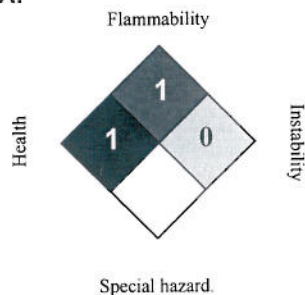
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distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Fatty acids, tall oil triethanolamine salt	67784-78-5
Trade Secret Registry	735517-5158P
Trade Secret Registry	735517-5119P
Triethanolamine	102-71-6

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

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

Safety Glasses, Gloves, Apron

SECTION 16. OTHER INFORMATION

Further information

Version 1.0
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Chemetall US, Inc. warrants that the products described herein will conform with its published specifications.

The products supplied by Chemetall and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.

