

TECH COOL® 35052

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

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**

Appearance	liquid
Colour	amber
Odour	none
Hazard Summary	May cause skin irritation. Irritating to eyes. May be harmful if swallowed

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

TECH COOL® 35052

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

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

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

TECH COOL® 35052

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

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

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)	5.000000 mg/m3	ACGIH

TECH COOL® 35052

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

		fraction)		
		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 : 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.
Do not inhale fumes.
Keep away from food and drink.

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

TECH COOL[®] 35052

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

octanol/water

Auto-ignition temperature : No data available

Thermal decomposition : No data available

Viscosity, dynamic : No data available

SECTION 10. STABILITY AND REACTIVITYConditions to avoid : Direct sources of heat.
freezing

Incompatible materials : Strong acids

Hazardous decomposition products : Carbon oxides
Nitrogen oxides (NO_x)
Chlorine
Boron oxides**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**Acute oral toxicity : Acute toxicity estimate : > 5,000.000000 mg/kg
Method: Calculation methodAcute 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

TECH COOL[®] 35052

Version 0.1

Revision Date 05/15/2015

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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

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TECH COOL[®] 35052

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

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

TECH COOL® 35052

Version 0.1

Revision Date 05/15/2015

Print Date 05/22/2015

Massachusetts Right To Know

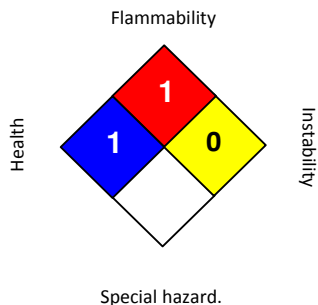
distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Trade Secret Registry	735517-5158P

Pennsylvania Right To Know

distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
water	7732-18-5
Alkanes, C14-17, Chloro	85535-85-9
Amine salt of boric acid	93964-50-2
Trade Secret Registry	735517-5049P
Triethanolamine salts of dibasic acids	68188-87-4
Trade Secret Registry	735517-5158P

New Jersey Right To Know

distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
water	7732-18-5
Alkanes, C14-17, Chloro	85535-85-9
Amine salt of boric acid	93964-50-2
Trade Secret Registry	735517-5049P
Trade Secret Registry	735517-5158P

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, 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.

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

TECH COOL[®] 35052

Version 0.1

Revision Date 05/15/2015

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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.

