1. Identification

Product Identifier: CIMTAP®
TAPPING COMPOUND

Other means of Identification
SDS number: Not applicable
Recommended use: TAPPING COMPOUND
Recommended restrictions: None known.
Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name: CIMCOOL® Industrial Products LLC
3000 Disney Street
Cincinnati, Ohio 45209
Telephone (General Information): 513-458-8100
Emergency telephone number: 1-800-424-9300 (CHEMTREC)
Emergency telephone number (outside USA): 1-703-527-3887 (CHEMTREC)

2. Hazard(s) identification

Physical hazards: Not classified.
Health hazards: Serious eye damage/eye irritation; Category 2A
Reproductive toxicity; Effects on or via lactation
Environmental hazards: Hazardous to the aquatic environment, acute hazard; Category 1
Hazardous to the aquatic environment, long-term hazard; Category 2
OSHA defined hazards: Not classified.

Label elements

Signal word: Warning
Hazard statement: Causes serious eye irritation. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Precautionary statement
Prevention: Wash thoroughly after handling. Avoid release to the environment. Wear eye/face protection.
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. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Storage: Keep container tightly closed. Protect from sunlight. Store in a well-ventilated place. Store away from incompatible materials. Store in accordance with local/regional/national/international regulations.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: None.

Material name: CIMTAP®
Version #: 02  Issue date: 11-11-2014

SDS US
1 / 8
3. Composition/Information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name and synonyms</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>C14-C17 MEDIUM CHAIN CHLORINATED PARAFFIN</td>
<td>63449-39-8</td>
</tr>
<tr>
<td>ARYL, ALKYL DERIVS., SULFONATED SODIUM SALTS</td>
<td>148520-82-5</td>
</tr>
<tr>
<td>SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES</td>
<td>64742-52-5</td>
</tr>
</tbody>
</table>

Other components below reportable levels

The exact percentages of hazardous ingredients have been withheld as a trade secret.

4. First-aid measures

Inhalation
Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation occurs: Get medical advice/attention.

Skin contact
Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Eye contact
Do not induce vomiting. Rinse mouth. Drink 1 or 2 glasses of water. Get medical attention if symptoms occur. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Defatting of the skin.

Ingestion
Provide general supportive measures and treat symptomatically.

Indication of immediate medical attention and special treatment needed

General information
Call a physician if symptoms develop or persist. Show this safety data sheet to the doctor in attendance.

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Dry chemicals. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Wear suitable protective equipment.

Fire fighting equipment/instructions
Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Local authorities should be advised if significant spillages cannot be contained. This product is miscible in water. Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Clean up in accordance with all applicable regulations. Following product recovery, flush area with water.

Environmental precautions
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Do not flush spill to drain.

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage
Precautions for safe handling
Keep away from heat and sources of ignition. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not breathe vapor. Do not ingest. Avoid contact with skin and eyes. Avoid prolonged and repeated contact. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Practice good housekeeping. Avoid release to the environment. Do not empty into drains. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

Conditions for safe storage, including any incompatibilities
Do not handle or store near an open flame, heat or other sources of ignition. To maintain product quality, do not store in heat or direct sunlight. Keep containers closed when not in use. Store away from incompatible materials (see Section 10 of the SDS). Room temperature - normal conditions. Do not allow material to freeze. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

8. Exposure controls/personal protection
Occupational exposure limits
U.S. - OSHA

<table>
<thead>
<tr>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5) PEL</td>
<td>5 mg/m³</td>
</tr>
<tr>
<td>SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5) TWA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

Exposure guidelines
Appropriate engineering controls
Occupational Exposure Limits are not relevant to the current physical form of the product.
Ensure compliance with applicable exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment
Eye/face protection
Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Skin protection
Hand protection
Use protective gloves made of: Nitrile.
Other
Wear suitable protective clothing and gloves. Wear suitable protective clothing.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Do not get in eyes, on skin, on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties
Appearance
TRANSLUCENT
Physical state
Liquid.
Form
Paste.
Color
Not available.
Odor
CHEMICAL
Odor threshold
Not available.
PH
Not Applicable
Melting point/freezing point
34 °F (1.1 °C)
Initial boiling point and boiling range
Not Applicable
Flash point: Not Applicable
Evaporation rate: Not available.
Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits
   Flammability limit - lower (%): Not available.
   Flammability limit - upper (%): Not available.
   Explosive limit - lower (%): Not available.
   Explosive limit - upper (%): Not available.

Vapor pressure: Not available.
Vapor density: Not available.
Relative density: Not available.
Solubility(ies): 100% Water Miscible
Partition coefficient (n-octanol/water): Not available.
Auto-Ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: Not available.

Other information
   Specific gravity: 1.063 @ 60°F
   VOC ASTM D2369: 0%

10. Stability and reactivity
Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur. No dangerous reaction known under conditions of normal use.
Conditions to avoid: Contact with incompatible materials.
Incompatible materials: Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines. Strong acids. Strong oxidizing agents.
Hazardous decomposition products: Smoke, fumes, oxides of nitrogen, hydrogen chloride, and oxides of carbon.

11. Toxicological information
Information on likely routes of exposure
   Inhalation: No adverse effects due to inhalation are expected.
   Skin contact: Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
   Eye contact: Causes serious eye irritation.
   Ingestion: May be harmful if swallowed and enters airways. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms related to the physical, chemical and toxicological characteristics: Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects
Acute toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARYL, ALKYL DERIVS., SULFONATED SODIUM SALTS (CAS 148520-82-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>404 mg/kg</td>
</tr>
</tbody>
</table>

Material name: CIMTAP®
Version #: 02  Issue date: 11-11-2014
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)

**Acute**
- **Dermal**
  - LD50: Rabbit, > 5000 mg/kg
- **Inhalation**
  - LC50: Rat, > 5 mg/l, 4 hours
- **Oral**
  - LD50: Rat, > 5000 mg/kg

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**
- Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**
- Causes serious eye irritation.

**Respiratory or skin sensitization**
- No data available.

**Respiratory sensitization**
- This product is not expected to cause skin sensitization.

**Skin sensitization**
- No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Germ cell mutagenicity**
- This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Carcinogenicity**
- US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
  - Not listed.

**Reproductive toxicity**
- This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**
- Not classified.

**Specific target organ toxicity - repeated exposure**
- Not classified.

**Aspiration hazard**
- May be harmful if swallowed and enters airways.

**12. Ecological information**

**Ecotoxicity**
- Contains a substance which causes risk of hazardous effects to the environment. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>C14-C17 MEDIUM CHAIN CHLORINATED PARAFFIN (CAS 63449-39-8)</td>
<td>Aquatic</td>
<td>LC50 Bluegill (Lepomis macrochirus)</td>
</tr>
</tbody>
</table>

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES (CAS 64742-52-5)

**Aquatic**
- **Acute**
  - **Crustacea**
    - EC50: Daphnia, > 1000 mg/l, 48 hours
  - **Fish**
    - LC50: Fathead minnow (Pimephales promelas), > 30000 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.

**Persistence and degradability**
- No data is available on the degradability of this product.

**Bioaccumulative potential**
- No data available.

**Mobility in soil**
- No data available.

**Other adverse effects**
- No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions**
- Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations**
- Dispose in accordance with all applicable regulations.
14. Transport information

DOT

UN number
UN3082
UN proper shipping name
Environmentally hazardous substances, liquid, n.o.s., (C14-C17 MEDIUM CHAIN CHLORINATED PARAFFIN), MARINE POLLUTANT
Transport hazard class(es)
- Class 9
- Subsidiary risk -
- Label(s) 9
- Packing group III
Environmental hazards
- Marine pollutant Yes
Special precautions for user
Read safety instructions, SDS and emergency procedures before handling.
Special provisions
8, 146, 335, IB3, T4, TP1, TP29
Packaging exceptions
155
Packaging non bulk
203
Packaging bulk
241
Supplemental Information: 49CFR 171.4 excludes "non-bulk" packages (119 gallons or less) from Marine Pollutant Requirements unless all or part of the shipment is by vessel.

Supplemental Information: Air shipment is not allowed for this product when packaged in Case lot quantity. Case lot quantity packaging does not meet requirements of "49 CFR Part 178 Specifications for Packaging" for this mode of transport.

IATA

UN number
UN3082
UN proper shipping name
Environmentally hazardous substance, liquid, n.o.s. (C14-C17 MEDIUM CHAIN CHLORINATED PARAFFIN)
Transport hazard class(es)
- Class 9
- Subsidiary risk -
- Packing group III
- Environmental hazards Yes
- ERG Code 9L
Special precautions for user
Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Other information
- Passenger and cargo aircraft Allowed.
- Cargo aircraft only Allowed.

Supplemental Information: Air shipment is not allowed for this product when packaged in Case lot quantity. Case lot quantity packaging does not meet requirements of "IATA Dangerous Goods Regulations, Section 6 Packaging Specifications and Performance Tests" for this mode of transport.

IMDG

UN number
UN3082
UN proper shipping name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C14-C17 MEDIUM CHAIN CHLORINATED PARAFFIN), MARINE POLLUTANT
Transport hazard class(es)
- Class 9
- Subsidiary risk -
- Packing group III
- Environmental hazards
- Marine pollutant Yes
- EmS F-A, S-F
Special precautions for user
Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
DOT; IATA; IMDG

Marine pollutant

General information DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

15. Regulatory information
US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.
Safe Drinking Water Act (SDWA)
Food and Drug Administration (FDA)
US state regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

US. Massachusetts RTK - Substance List
Not regulated.

US. New Jersey Worker and Community Right-to-Know Act
Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.

US. Rhode Island RTK
Not regulated.

California South Coast Air Quality Management District (SCAQMD) Rule 1144 (VOC Emissions)
This product is subject to SCAQMD Rule 1144; it is compliant and may be sold and used in the SCAQMD. The VOC content of the product is 0 g/L, measured by ASTM Method E-1868-10. This product has a specified VOC limit of 50 g/L.

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory or exempt (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
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<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last revision

Issue date: 11-11-2014
Revision date: 07-06-2015
Version #: 02
Further information: Not available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision Information

Composition / Information on Ingredients: Component Summary
Material Attributes & Uses; Experimental Data: Product Uses
HazReg Data: International Inventories
GHS: Classification