



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

|                      |   |                                 |                         |
|----------------------|---|---------------------------------|-------------------------|
| <b>Common Name</b>   | <b>170 CUTTING OIL</b>  | <b>Code</b>                     | 05127-AW                |
| <b>Supplier</b>      | CASTROL INDUSTRIAL NORTH AMERICA INC.<br>1001 WEST 31ST STREET<br>DOWNERS GROVE, IL 60515-1280<br>Product Information: 630 241-4000 | <b>Validation Date</b>          | 28/01/2002.             |
| <b>Synonym</b>       | Not available.  | <b>Print Date</b>               | 28/01/2002.             |
| <b>Trade name</b>    | Not available.  | <b>Responsible Name</b>         | Product Stewardship     |
| <b>Material Uses</b> | Not available.  | <b>In Case of<br/>Emergency</b> | CHEMTREC (800) 424-9300 |
| <b>Manufacturer</b>  | CASTROL INDUSTRIAL NORTH AMERICA INC<br>1001 WEST 31ST STREET<br>DOWNERS GROVE, IL 60515-1280                                       |                                 |                         |

## Section 2. Composition, Information on Ingredients

| Name  | CAS #      | % by Weight | Exposure Limits   |
|---|------------|-------------|---|
| 1) DISTILLATES, PETROLEUM,<br>HYDROTREATED HEAVY NAPHTHENIC | 64742-52-5 | 80-85       | <b>ACGIH (United States).</b><br>TWA: 5 mg/m <sup>3</sup> Form: Mist<br><b>OSHA (United States).</b><br>TWA: 5 mg/m <sup>3</sup> Form: Mist<br><b>ACGIH (United States).</b><br>STEL: 10 mg/m <sup>3</sup> Form: Mist |

## Section 3. Hazards Identification

|   |   |
|---|---|
| <b>Physical State and Appearance</b>                  | Liquid.<br>Odor : Oily (Slight.)<br>Clear. Brown. (Dark.)   |
| <b>Emergency Overview</b>                             | CAUTION!<br>MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.<br>Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.<br>Not available.                           |
| <b>Routes of Entry</b>                                | Absorbed through skin. Eye contact. Inhalation.   |
| <b>Potential Acute Health Effects</b>                 | <b>Eyes</b> Moderately irritating to the eyes.<br><b>Skin</b> Moderately irritating to the skin.<br><b>Inhalation</b> Moderately irritating to the respiratory system.<br><b>Ingestion</b> Ingestion may cause gastrointestinal irritation and diarrhea.<br>No additional remark. |
| <b>Potential Chronic Health Effects</b>               | <b>CARCINOGENIC EFFECTS:</b> Not known to be carcinogen.<br><b>MUTAGENIC EFFECTS:</b> Not available.<br><b>TERATOGENIC EFFECTS:</b> Not available.  |
| <b>Medical Conditions Aggravated by Overexposure:</b> | Repeated or prolonged exposure is not known to aggravate medical condition.   |

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**Overexposure /Signs/Symptoms** Not available.  
See Toxicological Information (section 11)

#### Section 4. First Aid Measures

|                           |  |
|---------------------------|--|
| <b>Eye Contact</b>        | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.   |
| <b>Skin Contact</b>       | In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.                                   |
| <b>Inhalation</b>         | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.   |
| <b>Ingestion</b>          | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Notes to Physician</b> | Not available.   |

#### Section 5. Fire Fighting Measures

|  |   |
|--|---|
| <b>Flammability of the Product</b>                         | May be combustible at high temperature.   |
| <b>Autoignition Temperature</b>                            | Not available.  |
| <b>Flash Points</b>  | OPEN CUP: 157.21°C (315°F) (Cleveland.).  |
| <b>Flammable Limits</b>                                    | Not available.  |
| <b>Products of Combustion</b>                              | carbon oxides (CO, CO2), sulfur oxides (SO2, SO3...), Hydrogen Chloride (HCl) Gas   |
| <b>Fire Hazards in Presence of Various Substances</b>      | Not available.  |
| <b>Explosion Hazards in Presence of Various Substances</b> | Non-explosive in presence of open flames, sparks and static discharge, of shocks, of heat.  |
| <b>Fire Fighting Media and Instructions</b>                | SMALL FIRE: Use DRY chemical powder.<br>LARGE FIRE: Use water spray, fog or foam. Do not use water jet.<br>Cool containers with flooding amounts of water from as far a distance as possible. |
| <b>Protective Clothing (Fire)</b>                          | Be sure to use an approved/certified respirator or equivalent.  |
| <b>Special Remarks on Fire Hazards</b>                     | <input checked="" type="checkbox"/> No additional remark.   |
| <b>Special Remarks on Explosion Hazards</b>                | No additional remark.   |

#### Section 6. Accidental Release Measures

|                             |   |
|-----------------------------|---|
| <b>Small Spill and Leak</b> | Absorb with an inert material and put the spilled material in an appropriate waste disposal.  |
| <b>Large Spill and Leak</b> | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not allow any potentially contaminated water including rain water, runoff from fire fighting or spills to enter any waterway, sewer or drain. |

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### Section 7. Handling and Storage

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Do not ingest.

Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from heat, sparks and flame. Keep away from incompatibles. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

### Section 8. Exposure Controls, Personal Protection

**Engineering Controls** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

#### Personal Protection

**Eyes** Safety glasses.

**Body** Synthetic apron.

Eyewash facility. Appropriate clothing to avoid skin contact.

**Respiratory** A respirator is not needed under normal and intended conditions of product use. If ventilation is inadequate, use a NIOSH certified respirator with an organic vapor cartridge and P95 particulate filter.

**Hands** Impervious gloves.

Impervious gloves such as rubber should be used when handling this product.

**Feet** Not applicable.

#### Protective Clothing (Pictograms)



**Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

#### Product Name

1) DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC

#### Exposure Limits

**ACGIH (United States).**

TWA: 5 mg/m<sup>3</sup> Form: Mist **OSHA (United States).**

TWA: 5 mg/m<sup>3</sup> Form: Mist **ACGIH (United States).**

STEL: 10 mg/m<sup>3</sup> Form: Mist

Consult local authorities for acceptable exposure limits.

### Section 9. Physical and Chemical Properties

#### Physical State and Appearance

Liquid.

#### Odor

Odor : Oily (Slight.)

#### Boiling/Condensation Point

>259.97°C (499.9°F)

#### Taste

Not available.

#### Melting/Freezing Point

Not available.

#### Color

Clear. Brown. (Dark.)

#### pH Concentrate

Not applicable.

#### pH Dilution % and Value

Not applicable.

#### Critical Temperature

Not available.

#### Specific Gravity

0.924 to 0.926 (Water = 1)

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|                            |                          |            |                |
|----------------------------|--------------------------|------------|----------------|
| Vapor Pressure             | Not available.           |            |                |
| Vapor Density              | Not available.           |            |                |
| Volatility                 | Not available.           |            |                |
| Odor Threshold             | Not available.           |            |                |
| Evaporation Rate           | Not available.           |            |                |
| VOC                        | Not available.           | VOC Method | Not available. |
| Viscosity                  | 24 - 30 cSt @ 40C        |            |                |
| Solubility                 | Insoluble in cold water. |            |                |
| Physical Chemical Comments | Not available.           |            |                |

### Section 10. Stability and Reactivity

|   |  |
|---|--|
| Stability and Reactivity                | The product is stable.   |
| Conditions of Instability               | None known.  |
| Incompatibility with Various Substances | Reactive with oxidizing agents.  |
| Hazardous Decomposition Products        | carbon oxides (CO, CO <sub>2</sub> ) , sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...) , Hydrogen Chloride (HCl) Gas |
| Hazardous Polymerization                | Will not occur.  |

### Section 11. Toxicological Information

|  |   |
|--|---|
| Toxicity to Animals                              | LD50: Not available.<br>LC50: Not available.  |
| Chronic Effects on Humans                        | <b>CARCINOGENIC EFFECTS:</b> Not known to be carcinogen.<br><b>MUTAGENIC EFFECTS:</b> Not available.<br><b>TERATOGENIC EFFECTS:</b> Not available.<br><b>DEVELOPMENTAL TOXICITY:</b> Not available. |
| Other Toxic Effects on Humans                    | Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant).   |
| Special Remarks on Toxicity to Animals           | No additional remark.   |
| Special Remarks                                  | No additional remark.   |
| Special Remarks on Other Toxic Effects on Humans | No additional remark.   |


**Section 12. Ecological Information**

|  |  |
|--|--|
| <b>Ecotoxicity</b>                                       | Not available.   |
| <b>BOD and COD</b>                                       | Not available.   |
| <b>Biodegradable/OECD</b>                                | Not available.   |
| <b>Mobility</b>  | Not available.   |
| <b>Products of Degradation</b>                           | carbon oxides (CO, CO <sub>2</sub> ) , sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...) , Hydrogen Chloride (HCl) Gas |
| <b>Toxicity of the Products of Biodegradation</b>        | Not available.   |
| <b>Special Remarks on the Products of Biodegradation</b> | Not available.   |

**Section 13. Disposal Considerations**

|  |   |  |
|--|---|--|
| <b>Waste Information</b>                           | Waste must be disposed of in accordance with federal, state and local environmental control regulations.<br>Recover free liquid. Keep product out of streams and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Dispose of in accordance with local, state and federal regulations. Disposal of this material to the land may be banned by federal law (40 CFR 268). |  |
| <b>RCRA Waste Code(s)</b>                          | USED OIL  |  |
| <b>Waste Stream</b>                                | Not available.  |  |
| <b>Consult your local or regional authorities.</b> |   |  |

**Section 14. Transport Information**

|   |   |   |
|---|---|---|
| <b>DOT Classification</b>               | 9   |   |
|   | Environmentally hazardous substance, liquid, n.o.s. ,(Chlorinated paraffin C10-C13), 9, UN3082, III |   |
| <b>Marine Pollutant</b>                 | DOT Class: Marine Pollutant. (Highly pollutant.)  |  |
| <b>Special Provisions for Transport</b> | Not regulated (if shipped by land in non bulk packaging)  |   |
| <b>ADR/RID Classification</b>           | Not available.  |   |
| <b>IMO/IMDG Classification</b>          | Not available.  |   |
| <b>ICAO/IATA Classification</b>         | Not available.  |   |

**Section 15. Regulatory Information**

|                                 |   |
|---------------------------------|---|
| <b>U.S. Federal Regulations</b> | <p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 170 CUTTING OIL: immediate health hazard.</p> <p>SARA 313 toxic chemical notification and release reporting: ALKANES, CHLORO (C10-13) 6%</p> |
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Clean Water Act (CWA) 307: No products were found.  
 Clean Water Act (CWA) 311: No products were found.  
 Clean air act (CAA) 112 accidental release prevention: No products were found.  
 Clean air act (CAA) 112 regulated toxic substances: No products were found.  
 Clean air act (CAA) 112 regulated flammable substances: No products were found.

**State Regulations**

Pennsylvania RTK: OILS, LARD (generic environmental hazard)  
 California prop. 65: No products were found.

**Inventory Lists**

TSCA 8(b) inventory: All components of this product are listed on (or meet the exemption requirements of) the applicable inventory list.

CEPA DSL: All components of this product are listed on (or meet the exemption requirements of) the applicable inventory list.

Australia (NICNAS): One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.

Korea (TCCL): One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.

Philippines (RA6969): One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.

MITI: One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.

EINECS: One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.

**Section 16. Other Information**

**Label Requirements**

MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

**Hazardous Material Information System (U.S.A.)**

|                     |   |
|---------------------|---|
| Health              | 1 |
| Fire Hazard         | 1 |
| Reactivity          | 0 |
| Personal Protection | C |

**National Fire Protection Association (U.S.A.)**



**References**

Not available.

**Other Special Considerations**

PETROLEUM OIL: STEL = 10 mg/M3. Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section II are classified by the supplier as severely processed. Not all those listed in Section II may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200. Chlorinated Paraffin The specific chlorinated paraffin included in this product has not been tested or proven to cause adverse health effects. Other chlorinated paraffins have been tested and show evidence of carcinogenicity in laboratory animals via ingestion. No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

This product is a mixture and is NOT listed in the TSCA Inventory. The individual ingredients in the product are listed in the TSCA Inventory.

Validated by Product Stewardship on 28/01/2002.

Printed 28/01/2002.

CHEMTREC (800) 424-9300

**Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*