



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

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|----------------------|---|---------------------------------|-------------------------|
| Common Name | 205 GRINDING OIL RED | Code | 05132-AW |
| Supplier | CASTROL INDUSTRIAL NORTH AMERICA INC. 1001 WEST 31ST STREET DOWNERS GROVE, IL 60515-1280 Product Information: 630 241-4000 | Validation Date | 03/04/2003 |
| Synonym | Not available. | Print Date | 03/04/2003 |
| Trade name | Not available. | Responsible Name | Product Stewardship |
| Material Uses | Industrial applications | In Case of Emergency | CHEMTREC (800) 424-9300 |
| Manufacturer | CASTROL INDUSTRIAL NORTH AMERICA INC 1001 WEST 31ST STREET DOWNERS GROVE, IL 60515-1280 | | |

Section 2. Composition, Information on Ingredients

| Name | CAS # | % by Weight | Exposure Limits |
|--|------------|-------------|---|
| DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC | 64742-52-5 | 50-55 | ACGIH (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist OSHA (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist ACGIH (United States). STEL: 10 mg/m ³ 15 minute(s). Form: Mist |

Section 3. Hazards Identification

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| Physical state / Appearance | Liquid. |
| Odor: | Oily |
| Clear. Red. Color | |
| Emergency Overview | CAUTION! MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. |
| Routes of Entry | Skin contact. Eye contact. Inhalation. Ingestion. |
| Potential Acute Health Effects | <i>Eyes</i> Moderately irritating to the eyes. <i>Skin</i> Moderately irritating to the skin. <i>Inhalation</i> Moderately irritating to the respiratory system. <i>Ingestion</i> Ingestion may cause gastrointestinal irritation and diarrhea. Oral LD50 not established. No additional remark. |
| Potential Chronic Health Effects | CARCINOGENIC EFFECTS: No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA). MUTAGENIC EFFECTS: No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen. |

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TERATOGENIC EFFECTS: No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

Medical Conditions Aggravated by Overexposure: Repeated or prolonged exposure is not known to aggravate medical condition.

Overexposure /Signs/Symptoms Not available.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact 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 if irritation develops.

Skin Contact 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 if irritation develops.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if irritation develops.

Ingestion 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.

Notes to Physician Not available.

Section 5. Fire Fighting Measures

Flammability of the Product May be combustible at high temperature.

Autoignition temperature Not available.

Flash Point OPEN CUP: >148.87°C (300°F) (Cleveland.).

Flammable Limits Not available.

Products of Combustion carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...), Hydrogen Chloride (HCl) gas

Fire Hazards in Presence of Various Substances Non-flammable in presence of open flames, sparks and static discharge, of shocks, of heat, of oxidizing materials.

Explosion Hazards in Presence of Various Substances Non-explosive in presence of open flames, sparks and static discharge, of shocks, of heat.

Fire Fighting Media and Instructions
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Cool closed containers exposed to fire with water.

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.

Special Remarks on Fire Hazards No additional remark.

Special Remarks on Explosion Hazards No additional remark.

Section 6. Accidental Release Measures

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| Small Spill and Leak | Absorb with an inert material and put the spilled material in an appropriate waste disposal. |
| Large Spill and Leak | 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. |

Section 7. Handling and Storage

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use with adequate ventilation. Wash thoroughly after handling.

Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from heat, sparks and flame. 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 and Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

Personal Protection

Eyes Safety glasses with side shields or chemical goggles.

Body Wear appropriate protective clothing to prevent 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.

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

DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC

Exposure Limits**ACGIH (United States).**

TWA: 5 mg/m³ 8 hour(s). Form: Mist

OSHA (United States). TWA: 5 mg/m³ 8 hour(s). Form: Mist

ACGIH (United States). STEL: 10 mg/m³ 15 minute(s). Form: Mist

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

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|------------------------------------|-------------------|--------------|-------------------|
| Physical state / Appearance | Liquid. | Odor | Odor: Oily |
| Boiling/Condensation Point | >232.22°C (450°F) | Taste | Not available. |
| Melting/Freezing Point | Not available. | Color | Clear. Red. Color |
| pH (Concentration) | Not applicable. | | |

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|----------------------------|---------------------------------|------------|----------------|
| pH Dilution % and Value | Not Applicable | | |
| Critical Temperature | Not available. | | |
| Specific Gravity | 0.99 to 1.01 (Water = 1) | | |
| Vapor Pressure | Negligible at room temperature. | | |
| Vapor Density | Not available. | | |
| Volatility | Non-volatile. | | |
| Odor Threshold | Not available. | | |
| Evaporation Rate | <1 compared to Butyl acetate. | | |
| VOC | Not available. | VOC Method | Not available. |
| Viscosity | 35 - 42 cSt at 40C | | |
| Solubility | Insoluble in cold water. | | |
| Physical Chemical Comments | Not available. | | |

Section 10. Stability and Reactivity

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| 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 ₂), sulfur oxides (SO ₂ , SO ₃ ...), Hydrogen Chloride (HCl) gas |
| Hazardous Polymerization | Will not occur. |

Section 11. Toxicological Information

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| Toxicity to Animals | LD50: Not available. LC50: Not available. |
| Chronic Effects on Humans | <p>CARCINOGENIC EFFECTS: No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).</p> <p>MUTAGENIC EFFECTS: No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.</p> <p>TERATOGENIC EFFECTS: No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.</p> <p>DEVELOPMENTAL TOXICITY Not available.</p> |
| 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 on Chronic Effects on Humans | No additional remark. |
| Special Remarks on Other Toxic Effects on Humans | No additional remark. |

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Section 12. Ecological Information

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

Section 13. Disposal Considerations

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| Waste Information | Waste must be disposed of in accordance with federal, state and local environmental control regulations. Keep out of waterways. Dispose of according to all federal, state and local applicable regulations. | |
| RCRA Waste Code(s) | USED OIL | |
| Waste Stream | Not available. | |
| Consult your local or regional authorities. | | |

Section 14. Transport Information

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

Section 15. Regulatory Information

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| U.S. Federal Regulations | <p>TSCA 4(a) proposed test rules: ALKANES, CHLORO- TSCA 8(d) H and S data reporting: ALKANES, CHLORO-: 1982</p> <p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 205 GRINDING OIL: immediate health hazard.</p> <p>SARA 313 toxic chemical notification and release reporting: ALKANES, CHLORO- 35.06%</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 No products were found.
 California prop. 65: No products were found.

Inventory Lists TSCA 8(b) inventory: In compliance.
 CEPA DSL: In compliance.
 Australia (NICNAS): Not determined.
 Korea (TCCL): Not determined.
 Philippines (RA6969): Not determined.
 MITI: Not determined.
 EINECS: Not determined.

Section 16. Other Information

Label Requirements MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

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

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|---------------------|---|
| 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.

Validated by Product Stewardship on 03/04/2003.

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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.