



Safety Data Sheet

| Section 1. Identification | |
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| Product Identification and Item Numbers: | Croton Oil (CROT/1, CROT/2) |
| Product Description: | Croton Oil, also referred to as tiglium oil |
| Recommended use and restrictions on use: | N/A |
| Supplier: | Delasco 608 13 th Avenue Council Bluffs, IA 51501 1-712-323-3269 www.delasco.com questions@delasco.com |
| In Case of Emergency, Contact: | Chemtrec (24 hour) 1-800-424-9300 |

| Section 2. Hazard(s) Identification | |
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| Classification: | |
| Acute Toxicity – Oral (Category 3) Skin Corrosion/Irritation (Category 2) Serious Eye Damage/ Eye Irritant (Category 2A) Flammable Liquid (Category 4) | |
| Labeling: | |
| Hazard symbol(s): | <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>GHS06: skull and crossbones</p> </div> <div style="text-align: center;">  <p>GHS07: exclamation mark</p> </div> </div> |
| Signal word: | Danger! |
| Hazard statements: | |
| H227: Combustible liquid. H315: Causes skin irritation. H319: Causes serious eye irritation. H301: Toxic if swallowed. | |
| Precautionary statements: | |
| P210: Keep away from heat/sparks/open flames/.../hot surfaces. ... No smoking. P264: Wash hands thoroughly after handling. P270: Do not eat, drink, or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303+P306+P361+P353: IF ON SKIN (or hair): Immediately Remove/Take off all contaminated clothing. Rinse skin with water/shower. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P301+P312: IF SWALLOWED: Call a POISEN CENTER/doctor if you feel unwell P301+P330+P331: IF SWALLOWED: Rinse mouth, DO NOT induce vomiting. P370+P378: In case of fire use CO ₂ , dry chemical, or foam to extinguish. | |

| Section 3. Composition/Information on Ingredients | |
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| Chemical Name and Concentration: | Croton Oil 100% by weight |
| Other Names, Common Names, Synonyms: | Croton tiglium L. oil, Oils, croton Oleum tigllii |
| CAS Number, other unique identifiers: | CAS# 8001-28-3 |
| Other classified impurities or stabilizers: | N/A |
| Other ingredients posing health hazards: | N/A |
| Concentration of other hazardous ingredients: | N/A |

| Section 4. First-aid Measures | |
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| Inhalation exposure: | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention. |
| Skin exposure: | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention. If skin irritation persists, call a physician. |
| Eye contact: | Flush eye with water for 15 minutes. Get medical attention. |
| Ingestion: | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Toxic if swallowed. Immediate medical attention is required. Call a physician or Poison Control Centre immediately. |

| Section 5. Fire Fighting Measures | |
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| Suitable / unsuitable extinguishing media: | Suitable Media: Dry chemical. Carbon dioxide (CO ₂). Water spray mist or foam. Unsuitable Media: High volume water jet. Do not use a solid (straight) water stream as it may scatter and spread fire. |
| Specific hazards / combustion products: | Combustible material. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Combustion Products: Carbon oxides |
| Special protective equipment and precautions for fire-fighters: | Methods: Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out. Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear |
| NFPA Hazard Classification | Health – 2 Flammability – 2 Instability – 0 |
| | 0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe |

| Section 6. Accidental Release Measures | |
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| Personal precautions and protective equipment: | Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Remove all sources of ignition. |
| Environmental Precautions: | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas. |
| Containment / clean up methods: | Containment: Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). Clean up: Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly. |

| Section 7. Handling and Storage | |
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| Precautions for safe handling: | Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials. Advice: Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe vapors or spray mist. Handle in accordance with good industrial hygiene and safety practice. |
| Conditions for safe storage: | Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Air sensitive. Store under nitrogen. Protect from light. Sensitive to light. Store in light-resistant containers. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials. |
| Incompatibilities to avoid: | Oxidizing agents. |

| Section 8. Exposure Controls and Personal Protection | |
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| OSHA Permissible Exposure Limit (PEL): | Not determined |
| Threshold Limit Value (TLV): | None |
| Other exposure limits: | None |
| Engineering controls: | Use fume hood or other means of adequate ventilation. |
| Personal protective equipment: | Respiratory Protection Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. . Eye Protection Goggles Skin Protection Long sleeved clothing. Chemical resistant apron. Gloves. |
| Other personal protection measures: | Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. |

| Section 9. Physical and Chemical Properties | |
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| Appearance (physical state, color, etc.): | Oily. |
| Odor: | Slight. |
| Odor threshold: | Data not available |
| pH: | Data not available |
| Melting point / freezing point: | Data not available |
| Initial boiling point and boiling range: | Data not available |
| Flash point: | 74°C/ 165.2 °F |
| Evaporation rate: | Data not available |
| Flammability | Data not available |
| Upper / lower flammability or explosive limits: | Data not available |
| Vapor Pressure: | Data not available |
| Vapor density: | Data not available |
| Relative density: | 0.925-0.950 g/cm ³ @ 25°C |
| Solubility: | Insoluble in water Soluble in Ether Very slightly soluble in Methanol Soluble in Chloroform Soluble in Glacial Acetic Acid Slightly soluble in alcohol |
| Partition coefficient: n-octanol/water: | Data not available |
| Auto-ignition temperature: | Data not available |
| Decomposition temperature: | Data not available |

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| Viscosity: | Data not available |
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| Section 10. Stability and Reactivity | |
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| Chemical stability: | Stable at normal conditions |
| Possibility of hazardous reactions: | Hazardous polymerization does not occur |
| Conditions to avoid (static, shock, vibration...) | Heat. Ignition sources. Exposure to air. Exposure to light. Incompatible materials. |
| Incompatible materials: | Oxidizing agents. |
| Hazardous decomposition products: | Carbon monoxide. Carbon dioxide. |

| Section 11. Toxicological Information | |
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| Routes of exposure: | Ingestion, inhalation, skin and/or eye contact. |
| Acute Symptoms (acute): | <p>Skin Contact Causes skin irritation.</p> <p>Eye Contact Causes eye irritation.</p> <p>Inhalation May cause irritation of the respiratory tract</p> <p>Ingestion Toxic if swallowed. It is a powerful cathartic (purgative). Symptoms may include burning sensation in the mouth and stomach, nausea, vomiting, drastic purging with violent bowel movements of watery stools (watery diarrhea), intestinal inflammation, vomiting, abdominal pain. Small doses have a strong laxative effect.</p> |
| Symptoms (chronic): Chronic effects from short and long term exposure: | Prolonged or repeated ingestion may cause hyper motility and diarrhea. Prolonged or repeated ingestion may affect the liver. Prolonged or repeated ingestion may affect the blood (changes in white blood cell count). |
| Numerical measures of toxicity (e.g., acute toxicity estimates): | N/A |
| NTP carcinogen: | Not listed |
| EPA carcinogen: | Not listed |
| ACGIH carcinogen: | Not listed |
| IARC potential carcinogen: | Not listed |
| OSHA carcinogen: | Not listed |

| Section 12. Ecological Information (Non-mandatory) | |
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| Ecotoxicity (aquatic and terrestrial, where available): | Not available. |
| Persistence and degradability: | Not available |
| Bioaccumulative potential: | Not available |
| Mobility in soil: | Not available |
| Other adverse effects: | Not available |

| Section 13. Disposal Considerations (Non-mandatory) | |
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| Safe methods of disposal: | Dispose of in accordance with federal, state and local environmental control regulations. |

| Section 14. Transport Information (Non-mandatory) | | | | | |
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| US DOT | UN number: | UN2810 | Class: | 6.1 | Packing Group: III |
| UN proper shipping name: | | | Toxic liquids, organic, n.o.s. | | |
| Packing group, if applicable: | | | III | | |
| Environmental hazards (marine pollutant, etc...) | | | N/A | | |
| Special transport precautions: | | | N/A | | |

| Section 15. Regulatory Information (Non-mandatory) | |
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| Specific safety, health, and environmental regulations: | N/A |

| Section 16. Other information | |
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| Date of preparation or last revision: | September 14, 2018 |