



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Croton Oil

55-1477

Section 1: Identification

Product Name Croton Oil
Commercial Name Tiglium Oil
Product Use Not available.
Restrictions On Use Not available.

Product Code 55-1477

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Flammable liquids (Category 4)
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) Combustible liquid.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention P210 - Keep away from heat, sparks, open flames, and hot surfaces. No smoking. P280 - Wear protective gloves, protective clothing, eye protection, and face protection.
Response P370 + P378 - IN CASE OF FIRE: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
Storage P403 + P235 - Store in a well-ventilated place. Keep cool.
Disposal P501 - Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Croton Oil
% By Weight 100
CAS# 8001-28-3
Molecular Weight Not available.
Chemical Formula Not available.
Synonym(s) Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
1) Croton Oil	8001-28-3	100	Not Available.	Not Available.



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Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Flush eyes with water as a precaution.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	Not available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

For small, incipient fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Not available.

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus for firefighting if necessary. Nature of decomposition products not known. Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal Precautions Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. **Environmental Precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. **Methods and materials for containment and cleanup** Contain spillage and collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling Avoid inhalation of vapor or mist. Keep away from sources of ignition. No smoking. Take measures to prevent the build up of electrostatic charge. **Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. **Recommended storage temperature:** Ambient

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Contains no substances with occupational exposure limit values. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Engineering Controls	Not available.
Personal Protection	Eye/face protection: Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Body protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance	Light yellow liquid. Clear, viscous liquid		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	Not available.	Vapor Density	0.94 g/cm ³ at 25 °C
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	74 °C - closed cup	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Insoluble in water. Soluble in chloroform, ether, oils, or glacial acetic acid. Slightly soluble in alcohol.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under recommended storage conditions
Hazardous Polymerization	Not available
Conditions to Avoid	Heat, flames, and sparks
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information**RTECS** GQ6300000**Acute Toxicity**

Not available.

Skin Corrosion/Irritation

Mild skin irritation.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Eye contact. Ingestion.



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Symptoms Related to Exposure

Not available.

Potential Health Effects

Inhalation - May be harmful if inhaled. May cause respiratory tract irritation. Skin - May be harmful if absorbed through skin. May cause skin irritation. Eyes - May cause eye irritation Ingestion - May be harmful if swallowed.

Target Organ(s) Not available.

Section 12: Ecological Information

Ecotoxicity

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

Waste Disposal

Dispose of material according to all federal, state, and local regulations. This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer material to a licensed, professional waste disposal company to dispose of as unused product.

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information

DOT Classification

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components 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. SARA 311/312 Components Fire hazard. Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Components Croton oil CAS #: 8001-28-3 Revision Date: New Jersey Right To Know Components Croton oil CAS #: 8001-28-3 Revision Date: California Prop 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Other

WHMIS Not controlled under WHMIS (Canada). (Canada); DSCL (EEC) R36- Irritating to eyes.; Lab coat.; Splash goggles.

Section 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.