



# Material Safety Data Sheet - MSDS

## Dottie Dark Cutting Oil

### Section 1. Chemical Product and Company Identification

<b>Common Name</b>	: <b>Dottie Dark Cutting Oil</b>	<b>Code</b>	: CO1, CO4
<b>Synonym</b>	: Not available.	<b>Validation Date</b>	: 2004-10-24.
<b>Trade name</b>	: CO1, CO4.	<b>In Case of Emergency</b>	: (714) 739-1408
<b>Manufactured for</b>	L.H. Dottie Company 6131 S. Garfield Avenue Commerce, California 90040 Tel: (323) 725-1000		

### Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Distillates (Petroleum), Solvent-Refined	64741-97-5	40-60	ACGIH TLV (United States).
Light Naphthenic			TWA: 5 mg/m <sup>3</sup> 8 hour(s).
Chlorinated Paraffin	63449-39-8	40-60	Not available.

This material is classified as hazardous under OSHA regulations.

See Section 8 for Exposure Limits.

See Section 11 for Toxicological Data.

### Section 3. Hazards Identification

<b>Physical State and Appearance</b>	: Liquid. (Oily liquid.)
<b>Emergency Overview</b>	: WARNING! VERY TOXIC TO AQUATIC ORGANISMS. SUSPECT CANCER HAZARD. MAY CAUSE CANCER. CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: KIDNEYS, LIVER, CENTRAL NERVOUS SYSTEM. Risk of cancer depends on duration and level of exposure. Avoid contact of spilled material and runoff with soil and surface waterways.

**Routes of Entry** : Absorbed through skin. Eye contact. Inhalation. Ingestion.

#### Potential Acute Health Effects

<b>Eyes</b>	: Slightly hazardous in case of eye contact (irritant).
<b>Skin</b>	: Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
<b>Inhalation</b>	: Not available.
<b>Ingestion</b>	: Not available.

**Potential Chronic Health Effects** : **CARCINOGENIC EFFECTS**: Classified 2 (Suspected for human.) by European Union [Distillates (petroleum), solvent-refined light naphthenic]. Classified 2B (Possible for human.) by IARC [Chlorinated Paraffin]. Classified 2 (Reasonably Anticipated to be human carcinogens.) by NTP [Chlorinated Paraffin]. Classified None. by NIOSH [Chlorinated Paraffin].

**MUTAGENIC EFFECTS**: Not available.

**TERATOGENIC EFFECTS**: Not available.

**Medical Conditions Aggravated by Overexposure** : Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

**Over-exposure signs/symptoms** : Not available.

See Section 11 for Toxicological Data.

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## 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. Cold water may be used. Get medical attention if irritation occurs.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- 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.
- Notes to Physician** : No specific antidote. Medical staff must contact Poison Information Center.

## Section 5. Fire Fighting Measures

- Flammability of the Product** : May be combustible at high temperature.
- Auto-ignition Temperature** : Not available.
- Flash Points** : Closed cup: >177°C (350.6°F). (Tagliabue.)
- Flammable Limits** : Not available.
- Products of Combustion** : Not available.
- Fire Hazards in Presence of Various Substances** : Slightly flammable to flammable in presence of open flames, sparks and static discharge. Non-flammable in presence of heat.
- Explosion Hazards in Presence of Various Substances** : Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
- Fire Fighting Media and Instructions** : SMALL FIRE: Use dry chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- Protective Clothing (Fire)** : Be sure to use an approved/certified respirator or equivalent.
- Special Remarks on Fire Hazards** : Not available.

## Section 6. Accidental Release Measures

- 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.

## Section 7. Handling and Storage

- Handling** : Avoid contact of spilled material and runoff with soil and surface waterways.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 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 occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protection

- Eyes** : Safety glasses.
- Body** : Lab coat.
- Respiratory** : Wear appropriate respirator when ventilation is inadequate.
- Hands** : Not applicable.
- 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.

### Exposure Limits

### Product Name

### Exposure Limits

Distillates (Petroleum), Solvent-Refined Light Naphthenic

ACGIH TLV (United States).  
TWA: 5 mg/m<sup>3</sup> 8 hour(s).

[Consult local authorities for acceptable exposure limits.](#)

## Section 9. Physical and Chemical Properties

Physical State and Appearance	: Liquid. (Oily liquid.)
Color	: Not available.
Odor	: Not available.
Molecular Weight	: Not applicable.
Molecular Formula	: Not applicable.
pH (1% Soln/Water)	: Not available.
Boiling/Condensation Point	: >177°C (350.6°F)
Melting/Freezing Point	: Not available.
Specific Gravity	: 0.95 to 1.05 (Water = 1)
Vapor Pressure	: Not available.
Vapor Density	: Not available.
Volatility	: Not available.
Odor Threshold	: Not available.
Evaporation Rate	: <1 compared to Butyl acetate.
VOC	: Not available.
Viscosity	: Not available.
LogK <sub>ow</sub>	: Not available.
Solubility	: Very slightly soluble in cold water, hot water.

## Section 10. Stability and Reactivity

Stability and Reactivity	: The product is stable.
Conditions of Instability	: Not available.
Incompatibility with Various Substances	: Reactive with oxidizing agents, reducing agents, acids, alkalis.
Hazardous Decomposition Products	: Not available.
Hazardous Polymerization	: Will not occur.

## Section 11. Toxicological Information

Chronic Effects on Humans	: <b>CARCINOGENIC EFFECTS:</b> Classified 2 (Suspected for human.) by European Union [Distillates (petroleum), solvent-refined light naphthenic]. Classified 2B (Possible for human.) by IARC [Chlorinated Paraffin]. Classified 2 (Reasonably Anticipated to be human carcinogens.) by NTP [Chlorinated Paraffin]. Classified None. by NIOSH [Chlorinated Paraffin]. Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS).
Other Toxic Effects on Humans	: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant). Non-sensitizer for skin.
Special Remarks on Toxicity to Animals	: Not available.
Special Remarks on Chronic Effects on Humans	: Not available.
Special Remarks on Other Toxic Effects on Humans	: Not available.

## Section 12. Ecological Information

### Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Chlorinated Paraffin	Oncorhynchus mykiss (LC50)	96 hour(s)	>0.0109 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.06 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>0.1 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	>0.1 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>10 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>10.7 mg/l

**BOD and COD** : Not available.

**Biodegradable/OECD** : Not available.

**Mobility** : Not available.

**Products of Degradation** : Not available.

**Toxicity of the Products of Biodegradation** : Not available.

**Special Remarks on the Products of Biodegradation** : Not available.

## Section 13. Disposal Considerations

**Waste Information** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

## Section 14. Transport Information

<u>Regulatory Information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing Group</u>	<u>Label</u>	<u>Additional information</u>
<b>United States (DOT)</b>	Not regulated.					
<b>IMDG Code</b>	Not regulated.					
<b>IATA-DGR Class</b>	Not regulated.					

**NAERG** : Not applicable.

## Section 15. Regulatory Information

**HCS Classification** : Contains material which may cause cancer  
Target organ effects

**U.S. Federal Regulations** : TSCA 8(b) inventory: All components listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Chlorinated Paraffin

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Chlorinated Paraffin:  
Delayed (Chronic) Health Hazard

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 flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

### SARA 313

**Form R - Reporting Requirements** : No products were found.

**Supplier Notification** : No products were found.

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**State Regulations** : Massachusetts RTK: Distillates (petroleum), solvent-refined light naphthenic;  
California prop. 65: To product found.

## Section 16. Other Information

**Label Requirements** : VERY TOXIC TO AQUATIC ORGANISMS.  
SUSPECT CANCER HAZARD.  
MAY CAUSE CANCER.  
CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: KIDNEYS,  
LIVER, CENTRAL NERVOUS SYSTEM.

### 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** : - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. ANSI Z400.1, MSDS Standard, 2001. -Manufacturer's Material Safety Data Sheet.

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