

# SAFETY DATA SHEET



## Section 1. Identification

**Product name** Variocut C Moly Dee  
**SDS #** 468775  
**Historic SDS #:** 05226  
**Code** 468775-US03

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**Product use** Metalworking fluid - neat.  
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

**Supplier** Castrol Industrial North America, Inc.  
150 W. Warrenville Road  
Naperville, IL 60563  
Product Information: +1-877-641-1600

BP Lubricants USA Inc.  
1500 Valley Road  
Wayne, NJ 07470  
Telephone: (973) 633-2200

**EMERGENCY SPILL INFORMATION:** 1 (800) 424-9300 CHEMTREC (USA)

## Section 2. Hazards identification

## Section 3. Composition/information on ingredients

**Substance/mixture** Mixture

Highly refined mineral oil and additives

<b>Ingredient name</b>	<b>CAS number</b>	<b>%</b>
Base oil - highly refined	Varies - See Key to abbreviations	25 - 50
triethyl phosphate	25155-23-1	5
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

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## Section 5. Fire-fighting measures

### Hazardous combustion products

Combustion products may include the following:  
carbon dioxide  
carbon monoxide  
sulfur oxides  
phosphorus oxides

### Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### Special protective equipment for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## Section 6. Accidental release measures

## Section 7. Handling and storage

### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

Hand protection

## Section 9. Physical and chemical properties

Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable. Based on - Physical state
Lower and upper explosive (flammable) limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Density	<1000 kg/m <sup>3</sup> (<1 g/cm <sup>3</sup> ) at 15.6°C
Solubility	insoluble in water.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Kinematic: 165 mm <sup>2</sup> /s (165 cSt) at 40°C

## Section 10. Stability and reactivity

Reactivity	No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.
Conditions to avoid	Avoid excessive heat.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Hydrogen Sulfide (H <sub>2</sub> S)

## Section 11. Toxicological information

### Information on toxicological effects

#### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
trixylyl phosphate	Category 2	Oral	adrenal, liver, ovary and testes

**Information on the likely routes of exposure** Routes of entry anticipated: Dermal, Inhalation.

#### Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Inhalation	Vapor inhalation under ambient conditions is not normally a problem due to low vapor pressure.
Ingestion	No known significant effects or critical hazards.

#### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	No specific data.
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## Section 11. Toxicological information

<b>Skin contact</b>	Adverse symptoms may include the following: irritation dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
<b>Inhalation</b>	No specific data.
<b>Ingestion</b>	Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

~~Long term exposure~~ w 417 2224.74 m 1128 2224.74 | S BT 0 0 24.74480 3 409 U 0 Tr /FTqyihUJfU 74 Tf 1 0 [( 4086 | 4480

**Potential immediate effects** Not available.

**Potential delayed effects** Not available.

#### Potential chronic health effects

**General** May cause damage to organs through prolonged or repeated exposure.

**Carcinogenicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards.

**Teratogenicity** No known significant effects or critical hazards.

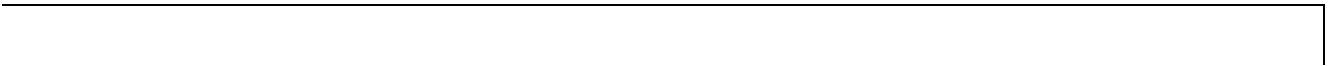
**Developmental effects** No known significant effects or critical hazards.

**Fertility effects** Suspected of damaging fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.





## Section 15. Regulatory information

### U.S. Federal regulations

#### United States inventory (TSCA 8b)

All components are listed or exempted.

**TSCA 12(b) one-time export:** 1-decene, sulfurized

#### SARA 302/304

##### Composition/information on ingredients

No products were found.

#### SARA 311/312

##### Classification

Delayed (chronic) health hazard

#### SARA 313

##### Form R - Reporting requirements

This product does not contain any hazardous ingredients at or above regulated thresholds.

##### Supplier notification

This product does not contain any hazardous ingredients at or above regulated thresholds.

### State regulations

#### Massachusetts

The following components are listed: OIL MIST, MINERAL; OIL MIST, MINERAL

#### New Jersey

The following components are listed: MINERAL OIL (UNTREATED and MILDLY TREATED)

#### Pennsylvania

The following components are listed: OILS, LARD

### Other regulations

All components are listed or exempted.

#### China inventory (IECSC)

All components are listed or exempted.

#### Japan inventory (ENCS)

At least one component is not listed.

#### Korea inventory (KECI)

All components are listed or exempted.

#### Philip

cBc

At least one component is not listed.

## Section 16. Other information

### Key to abbreviations

ACGIH = American Conference of Industrial Hygienists  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS Number = Chemical Abstracts Service Registry Number  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OEL = Occupational Exposure Limit  
SDS = Safety Data Sheet  
STEL = Short term exposure limit  
TWA = Time weighted average  
UN = United Nations  
UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.  
Varies = may contain one or more of the following 101316-69-2, 101316-70-5, 101316-71-6, 101316-72-7, 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64741-97-5, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-64-9, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1, 74869-22-0, 90669-74-2

▣ Indicates information that has changed from previously issued version.

[Notice to reader](#)

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