

## **1 - IDENTIFICATION OF PRODUCT AND COMPANY**

PRODUCT NAME : ORACOOL 400

# NAME OF MANUFACTURER/SUPPLIER : VICTORIA LUB PTY LTD

FACTORY 24/ 29-39 KIRKHAM ROAD WEST KEYSBOROUGH VIC 3173 TEL: (61 3) 9701 5373 FAX: (61 3) 9701 5532 Internet : www.viclube.com.au

## 2 - COMPOSITION /INFORMATION ON INGREDIENTS

These ingredients may contribute to the acute product hazards listed under the Potential Health Effects section. Other substances, not hazardous under the OSHA Hazard Communication Standard, may be present. Further composition information may be available to health professionals as provided in the Standard.

Component SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM DISTILLATES	<b>CAS #</b> 64742-52-5	<b>Percent</b> 10 - 30
SODIUM ALKYLB <mark>ENZENE SULFONATE</mark>	78330-12-8	1 - 5
TRIETHANOLAMINE	102-71-6	1 - 5
DINONYLNAPHTHALENESULFONIC ACID, CALCIUM SALT	57855-77-3	1 - 5
PETROLEUM SULFONIC ACI <mark>D, SODIUM</mark> SALT	68608-26-4	1 - 5

# **3 – HAZARDS IDENTIFICATION**

Product is combustible. Product is a primary eye irritant. Highway spills could result in slippery conditions. No other significant health effects are associated with this material

## 4 – FIRST AID MEASURES

## Eyes

In case of eye contact, flush immediately with running water for at least 15 minutes, and get prompt medical attention.

## **Skin Contact**

For skin contact flush with large amounts of water while removing contaminated clothing. Remove contaminated shoes and clothing and launder before reuse. If irritation persists, get medical attention.

Diluted product is not irritating to the skin when used as recommended and good personal hygiene is practiced.

## Ingestion

If the material is swallowed, get immediate medical attention or advice. DO NOT INDUCE VOMITING. Give two glasses of water or milk. Immediately contact a physician and obtain treatment. Swallowing small quantities of diluted product may cause nausea, diarrhea or abdominal distress.

## Inhalation

Inhalation can occur in applications where high mist levels are generated. OSHA has set a PEL of 15 mg/m<sup>3</sup> for any airborne particulate as a nuisance level of exposure. NIOSH has set a REL of 0.5 mg/m<sup>3</sup> for metalworking fluid mist. If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention.











## **5 – FIRE FIGHTING MEASURES**

## Extinguishing Media

Chemical foam, carbon dioxide, or dry chemical

#### **Hazardous Combustion Products**

Smoke, fumes, oxides of nitrogen, hydrogen chloride, and oxides of carbon

Flash Point: 38	35 °F (196.1 °C) Cleveland Open Cup
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Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

HMIS RATINGS		
Health	1	
Flammability Classification 1		
Reactivity	0	
NFPA RATINGS		
Health	1	
Flammability Classification 1		
Reactivity	0	

## 6 – ACCIDENTAL RELEASE MEASURES

Contain the spill, collect on absorbent material, and discard as dictated by Federal, state and local regulations that may apply. Flush area thoroughly with water.

#### **Reportable Quantity: None**

## 7 - HANDLING AND STORAGE

Avoid all contact of product with eyes or skin. Wash thoroughly after handling. Do not swallow. Do not store product concentrate in direct sunlight or elevated temperatures. If frozen, thaw completely at room temperature prior to use.

#### **Other Precautions**

Product is combustible. Do not heat. Avoid open flames, sparks, and temperatures approaching the flash point. Contains amines. Do not add sodium nitrite or other nitrosating agents to this product because suspected cancercausing nitrosamines may be formed.

## 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### **EXPOSURE GUIDELINES**

REGULATED MATERIAL	NIOSH REL	OSHA PEL	<b>OSHA STEL</b>	ACGIH TLV	ACGIH STEL
TRIETHANOLAMINE				5 mg/m³	
METALWORKING FLUID MIST	0.5 mg/m³				
MINERAL OIL (MIST)	5 mg/m <sup>3</sup>	5 mg/m³		5 mg/m³	

#### CERCLA

No components of this product are present at levels which require reporting under 40 CFR 302.4. **EPCRA (SARA) TITLE III Extremely Hazardous Substances (302):** None

# EPCRA (SARA) TITLE III Extremely Hazardous Substances (302): None

#### Hazardous Substances (311/312)

Product is a hazardous substance as defined under the OSHA Hazard Communication Standard and may be reportable under the provisions of SARA Sections 311 and 312.

Yes No

HAZARD CATEGORIES	
Acute Health:	
Chronic Health:	









#### Fire: Sudden Release of Pressure: Reactive:

## RCRA

Product concentrate does not meet the definition of a hazardous waste as defined under 40 CFR 261. It is possible that in use, the product may be contaminated by metals or by chlorinated solvents and the final waste may meet the TCLP definition. Each facility should assess each waste stream to determine if the used fluid should be treated as a hazardous waste.

Toxic Substances (313)			
Component	CAS #	Max % Comments	
None		%	

Yes

No

No

## PERSONAL PROTECTION

## **Respiratory protection**

Product is not volatile.

In applications where time-weighted exposures are 0.5 to 5 mg/m<sup>3</sup>, mist reduction through improved ventilation, mist collection or process modification is recommended by NIOSH. Where this is not possible, NIOSH recommends the use of any air purifying, half-mask respirator including a disposable respirator, equipped with any P- or R-series particulate filter. If the average exposure will exceed 5 mg/m<sup>3</sup>, NIOSH recommends use of a powered, air-purifying respirator equipped with a hood or helmet and a HEPA filter. If respiratory problems are present when mist levels are < 0.5 mg/m<sup>3</sup>, respiratory protection should be based on the individual recommendation of a qualified health care provider.

## Caution

The appropriate use and type of respirator is dependent upon use of the product and local operating conditions.

## Ventilation

For most applications, normal shop ventilation is adequate. However, when high mist levels are generated or where machines are close together or ventilation is inadequate, operators may experience respiratory irritation. For such applications, use of splash guards or mist collectors is recommended.

## Eye protection

Proper metalworking plant eye protection required when handling product concentrate.

## Other protective clothing or equipment

Use effective metalworking plant protective clothing as appropriate.

## Work / Hygiene Practices

Good personal hygiene should always be followed.

#### **Protective Gloves**

Impervious gloves, such as nitrile gloves, are recommended when handling product concentrate.

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:
Specific Gravity:
Evaporation Rate:
Solubility (H2O):
Volatile Organic Content (by
ASTM D2369):
pH (Concentrate):
pH (Mix):
Recommended Starting
Dilution:
Appearance/Odour:

Not Applicable 1.0665 Like water when diluted 100 % Miscible

4 % (By ASTM D2369) Not Applicable 9.0 @ 20% 20 %

Clear/Chemical

# **10 – STABILITY AND REACTIVITY**









Stability Conditions to avoid Materials to avoid Hazardous Polymerization Combustion Products



Stable under normal conditions. Use as directed. Avoid contact with strong acids or oxidizers to product. Will not occur. Smoke, fumes, oxides of nitrogen, hydrogen chloride, and oxides of carbon

## **11 – TOXICOLOGICAL INFORMATION**

# **12 – ECOLOGICAL INFORMATION**

# **13 – DISPOSAL RECOMMENDATIONS**

## For Used Product

Disposal procedures must comply with local, county, state and Federal regulations. If pre-treatment is needed, ultrafiltration, emulsion breaking or evaporation may be used.

#### For Unused Product

Product is not a hazardous waste as defined under 40 CFR 261.

#### Empty Containers

Empty containers will contain a residue which is not considered a hazardous waste under RCRA regulations. Drums can be drained to a "drip dry" condition by inversion and can be offered for recycling or scrap.

CAUTION: Empty containers retain residue (liquid and/or vapor) and may be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE THIS CONTAINER TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION: IT MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean drums since residue is difficult to remove. Empty drums should be completely drained, promptly bunged, and promptly returned to a drum reconditioner. Empty disposable bulk containers should be drained, sealed, and properly discarded. Empty recyclable bulk containers should be drained, sealed, and recycled. Empty pails and jugs should be drained and properly discarded.

# 14 – TRANSPORT INFORMATION

## BY LAND

Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101) Not a Hazardous Material

## BY AIR OR VESSEL

Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101) Not a Hazardous Material

# **15 – REGULATORY INFORMATION**

## **16 – OTHER INFORMATION**

# **GLOSSARY OF ABBREVIATIONS**

ACGIH	American Conference of Governmental Industrial Hygenists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit











RCRA	Resource Conservation and Recovery Act
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds
REC	Recommended









