Material Safety Data Sheet

OAK DRAW® 529-FR

EVAPORATIVE LUBRICANT

DATE EFFECTIVE: 06-03-2011

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:	CIMCOOL® Industrial Products LLC 3000 Disney Street Cincinnati , OH 45209 United States
Emergency:	Telephone (USA): 1-800-424-9300 (CHEMTREC) Telephone (OUTSIDE USA): 1-703-527-3887 (CHEMTREC)
General Information:	Telephone: 1-513-458-8199
Generic Name:	Metalworking Vanishing Oil

2 EMERGENCY INFORMATION

Product is combustible. Vapors are heavier than air. Vapors may travel across the ground and reach a remote ignition source causing a flashback fire danger. Product is a primary eye irritant. Product may be a primary skin irritant. Pulmonary aspiration hazard if swallowed and/or vomiting occurs - can enter lungs and cause damage. Highway spills could result in slippery conditions. No other significant health effects are associated with this material.

3 POTENTIAL HEALTH EFFECTS OF DIRECT EXPOSURE

	Product
Inhalation:	Extended exposure to mist may cause upper respiratory irritation.
Eye Contact:	Product is a primary eye irritant.
Skin Contact:	Product may be a primary skin irritant.
Ingestion:	Not orally toxic. Pulmonary aspiration hazard if swallowed and/or vomiting occurs - can enter lungs and cause damage.

Medical Conditions generally aggravated by exposure

May aggravate existing skin irritation where further defatting or skin penetration could occur.

Skin irritation (redness and dryness of hands) may be experienced when the product has been contaminated by certain oils or by dissolved metals. When problems occur, use of oil-resistant barrier creams may be a temporary control measure. Contact CIMCOOL® Industrial Products LLC Technical Services at 1-513-458-8199 for specific recommendations.

When used in applications generating high levels of mist, operator exposure can be minimized by proper ventilation, use of mist collectors or splash guards, as appropriate. If there is doubt about actual mist levels present, monitoring should be conducted. Contact CIMCOOL® Industrial Products LLC at 1-513-458-8199 for specific recommendations.

Repeated overexposure to aliphatic mineral spirits such as Stoddard Solvent can cause chronic nervous system disease.

Vapor/aerosol concentrations above recommended exposure levels are irritating to the eyes and respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects including death. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Carcinogen Listings: NTP: No IARC: No OSHA: No

Signs and symptoms of exposure

Acute

Eye injury may result from contact with product. Skin irritation can result from improper use and handling of product.

4 EMERGENCY AND FIRST AID PROCEDURES

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.

Ingestion

If the material is swallowed, DO NOT INDUCE VOMITING. Immediately contact a physician and obtain treatment. Do not give liquids. Swallowing small quantities of 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/m³ for any airborne particulate as a nuisance level of exposure. NIOSH has set a REL of 0.5 mg/m³ 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 CONTROL MEASURES

Respiratory protection

Product is volatile.

In metalworking fluid applications where time-weighted exposures are 0.5 to 5 mg/m³, 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/m³, 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/m³, 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, adequate shop ventilation is needed. 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.

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.

6 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

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	CAS #	Percent
SYNTHETIC ISOPARAFFINIC HYDROCARBON CAS# 68551-17-7 and/or 64742-48-9 and/or 642928-30-1 and/or 64741-65-7	SEE COMPONENT	70 - 100
NONYLPHENOL ETHOXYLATE	9016-45-9	1 - 5

7 FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media

Chemical foam, carbon dioxide, or dry chemical

Hazardous Combustion Products

Smoke, fumes, and oxides of carbon

Flash Point: 124 °F (51.1 °C) Typical Setaflash

Lower Explosive Limit: 0.5 %

Upper Explosive Limit: 7 %

HMIS RATINGS

Health 1

Flammability Classification 2

Reactivity 0

NFPA RATINGS

Health 1

Flammability Classification 2

Reactivity 0

8 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

9 WASTE DISPOSAL

For Used Product

Disposal procedures must comply with local, county, state and Federal regulations. Contact CIMCOOL® Industrial Products LLC at 1-513-458-8199 for assistance.

For Unused Product

Product is a hazardous waste as defined under 40 CFR 261. Contact CIMCOOL® Industrial Products LLC at 1-513-458-8199 for assistance.

Empty Containers

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.

10 HANDLING AND STORAGE

Avoid contact of product with eyes or skin. Wash thoroughly after handling. Do not swallow. Electrostatic Accumulation Hazard: Use proper grounding or bonding procedures. Additional information regarding the safe handling of products with static accumulation potential can be ordered from the American Petroleum Institute (API) request API Recommended Practice 2003 or from the National Fire Protection Association (NFPA) request NFPA 77. Use only as recommended by CIMCOOL® Industrial Products LLC . Do not store product in direct sunlight or elevated temperatures. If frozen, product separates. Thaw completely at room temperature and stir thoroughly prior to use.

Other Precautions

Product is combustible. Do not heat. Avoid open flames, sparks, and temperatures approaching the flash point.

11 PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point:	>340 °F
Specific Gravity:	0.77
Solubility (H2O):	Insoluble
Volatile Organic Content (by ASTM D2369):	92 %
pH (Concentrate):	Not Applicable
Recommended Starting Dilution:	Use Undiluted
Appearance/Odor:	Clear/Chemical

12 REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Use as directed.

Materials to avoid

Avoid contact with strong acids or oxidizers to product.

Hazardous Polymerization

Will not occur.

Combustion Products

Smoke, fumes, and oxides of carbon

13 TRANSPORTATION INFORMATION

BY LAND

Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101)

Petroleum distillates, n.o.s. (contains synthetic isoparaffinic hydrocarbons)NOTE: IN CONTAINERS OF 119 GALLONS OR LESS THIS PRODUCT IS NOT REGULATED BY DOT.

Hazard Class (49 CFR 172.101): 3

Identification Number: UN1268

Packaging Group: III

BY AIR OR VESSEL

Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101)

Petroleum distillates, n.o.s. (contains synthetic isoparaffinic hydrocarbons)

Hazard Class (49 CFR 172.101): 3

Identification Number: UN1268

Packaging Group: III

14 REGULATORY INFORMATION

EXPOSURE GUIDELINES

REGULATED MATERIAL	NIOSH REL	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL
SYNTHETIC ISOPARAFFINIC HYDROCARBON CAS# 68551-17-7 and/or 64742-48-9 and/or 642928-30-1 and/or 64741-65-7	350 mg/m³		500 ppm	100 ppm	
METALWORKING FLUID MIST	0.5 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

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.

HAZARD CATEGORIES

Acute Health: Yes

Chronic Health: No

Fire: Yes

Sudden Release of Pressure: No

Reactive: No

RCRA

Product meets the definition of a hazardous waste as defined under 40 CFR 261.

TSCA

The ingredients of this product are on the TSCA inventory.

State Right to Know

Many states have enacted Community Right-To-Know laws which require information beyond that mandated by federal laws. Since some of these laws are inconsistent with the federal laws, the information in this sheet may not fully meet the requirements of every state.

IN COMPLIANCE WITH CALIFORNIA SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) RULE 1144, SALE OF THIS PRODUCT IS PROHIBITED IN THE SCAQMD (inclusive).

Toxic Substances (313)

Component	CAS #	Max %	Comments
None		%	

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
REC	Recommended
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

Disclaimer

NOTE: The opinions expressed herein are those of qualified experts within CIMCOOL® Industrial Products LLC and of their suppliers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and of these opinions and the condition and use of the product are not within the control of CIMCOOL® Industrial Products LLC , it is the user's obligation to determine the conditions of safe use of the product.