SAFETY DATA SHEET



1. Identification

Product identifier OAK KOOL® 625-A-E
METALWORKING FLUID

Other means of identification

SDS number Not applicable

Recommended use METALWORKING FLUID

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name CIMCOOL® Industrial Products LLC

3000 Disney Street Cincinnati, Ohio 45209

Telephone (General

Information)

513-458-8199

Emergency telephone

number

1-800-424-9300 (CHEMTREC)

Emergency telephone number (outside USA)

1-703-527-3887 (CHEMTREC)

2. Hazard(s) identification

Physical hazards Not classified.

Health hazardsSkin corrosion/irritationCategory 2Serious eye damage/eye irritationCategory 2

Sensitization, skin Category 1

Reproductive toxicity Effects on or via lactation

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May

cause harm to breast-fed children.

Precautionary statement

Prevention Wear protective gloves/protective clothing/eye protection/face protection. Avoid contact during

pregnancy/while nursing. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release

to the environment.

Response IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical

advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. Take off contaminated clothing and

wash before reuse.

Storage Store locked up. Keep container tightly closed. Protect from sunlight. Store in a well-ventilated

place. Store away from incompatible materials. Store in accordance with

local/regional/national/international regulation.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

 Material name: OAK KOOL® 625-A-E
 SDS US

 Version #: 01 Issue date: 05-12-2015
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Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information

None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM		64742-52-5	40 - 70
CHLORINATED PARAFFIN		63449-39-8	7 - 13
HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S- TRIAZINE		4719-04-4	1 - 5
NONYLPHENOXYPOLYETHOXYE THANOL		127087-87-0	1 - 5
SODIUM ALKYLARYL SULFONATE		78330-12-8	1 - 5
TRIETHANOLAMINE		102-71-6	0.5 - 1.5
Other components below reportable leve	ls		7 - 13

^{*}Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing

and shoes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing

before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

Rinse mouth thoroughly. Do not induce vomiting. Drink 1 or 2 glasses of water. If vomiting occurs, Ingestion

keep head low so that stomach content doesn't get into the lungs. Call a POISON CENTER or

Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing,

redness, swelling, and blurred vision. Skin irritation. Defatting of the skin. May cause allergic skin

doctor/physician if you feel unwell.

Most important

symptoms/effects, acute and

delaved

Indication of immediate medical attention and special

treatment needed

General information

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

If exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in

attendance.

reaction.

5. Fire-fighting measures

Suitable extinguishing media Foam. Dry chemical powder. Carbon dioxide (CO2). Use extinguishing measures that are

appropriate to local circumstances and the surrounding environment. Do not use water jet as an extinguisher, as this will spread the fire.

Unsuitable extinguishing

media

Specific hazards arising from

the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment

and precautions for firefighters

Wear suitable protective equipment.

Fire fighting

equipment/instructions Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes. Move container from fire area if it can be done

without risk.

General fire hazards Combustible liquid.

Material name: OAK KOOL® 625-A-E SDS US 2 / 10

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up

Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not breathe mist or vapor. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Extinguish all flames in the vicinity. Local authorities should be advised if significant spillages cannot be contained. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Clean up in accordance with all applicable regulations. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Do not flush spill to drain. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination. Contact local authorities in case of spillage to drain/aquatic environment.

7. Handling and storage

Precautions for safe handling

Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not ingest. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material on clothing. Avoid contact during pregnancy/while nursing. Avoid contact with skin and eyes. Avoid prolonged and repeated contact. Use only in well-ventilated areas. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Practice good housekeeping. Handle and open container with care. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

To maintain product quality, do not store in heat or direct sunlight. Use care in handling/storage. Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep this material away from food, drink and animal feed. Do not allow material to freeze. Room temperature - normal conditions. If frozen, product may separate. Thaw completely at room temperature and stir thoroughly prior to use.

8. Exposure controls/personal protection

Occupational exposure limits

U.S. - OSHA

0.0 OOIIA			
	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM (CAS 64742-52-5)	PEL	5 mg/m3	
U.S NIOSH			
	Туре	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM (CAS 64742-52-5)	STEL	10 mg/m3	
,	TWA	5 mg/m3	
ACGIH			
	Type	Value	
SEVERELY-HYDROTREAT ED NAPHTHENIC PETROLEUM (CAS 64742-52-5) US. ACGIH Threshold Limit Values	TWA	5 mg/m3	
	Туре	Value	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m3	

Appropriate engineering

controls

Ensure compliance with applicable exposure limits. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Do not get in eyes. Eye wash fountain is

recommended.

Skin protection

Hand protection Use protective gloves made of: Nitrile.Other Wear suitable protective clothing and gloves.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using, do not eat, drink or smoke. Do not get in eyes, on skin, on clothing. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove

contaminants.

9. Physical and chemical properties

Appearance TRANSLUCENT

Physical state Liquid.
Form Liquid.
Color Not available.
Odor CHEMICAL

Odor threshold Not available.

pH Not Applicable

Melting point/freezing point Not Determined

Initial boiling point and boiling Not Applicable

range

275 °F (135 °C) Cleveland Open Cup

Evaporation rate Like water when diluted

Flammability (solid, gas)

Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Flash point

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies) 100 % Water Miscible

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

pH in aqueous solution 8.7 @ 5% Specific gravity 0.96 VOC ASTM D2369 17 %

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use. Hazardous polymerization does not

occur.

Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible

materials.

Incompatible materials Do not add sodium nitrite or other nitrosating agents which may form cancer causing nitrosamines.

Strong acids. Strong oxidizing substances. Avoid contact with oxidizers or reducing agents.

Hazardous decomposition

products

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

11. Toxicological information

Information on likely routes of exposure

Prolonged inhalation may be harmful. Health injuries are not known or expected under normal Inhalation

Skin contact Causes skin irritation. May cause an allergic skin reaction.

Eye contact Causes serious eye irritation.

Ingestion May be harmful if swallowed. Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. Defatting of the skin. May cause an allergic

skin reaction.

Information on toxicological effects

Acute toxicity May be harmful if swallowed. May cause allergic skin reaction. Expected to be a low hazard for

usual industrial or commercial handling by trained personnel.					
Components	Species	Test Results			
3-IODO-2-PROF	PYNYL BUTYLCARBAMATE (CAS 55406-53-6)				
Acute					
Dermai					
LD50	Rabbit	> 2000 mg/kg			
Oral					
LD50	Rat	1.1 g/kg			
NONYLPHENOX	NONYLPHENOXYPOLYETHOXYETHANOL (CAS 127087-87-0)				
Acute					
Dermal					
LD50	Rabbit	2573 mg/kg			
Oral					
LD50	Rat	5000 mg/kg			
SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM (CAS 64742-52-5)					
Acute					
Dermal					
LD50	Rabbit	> 5000 mg/kg			
Inhalati	on				
LC50	Rat	5.7 mg/l, 4 hours			

Oral

LD50 Rat > 5000 mg/kg

TRIETHANOLAMINE (CAS 102-71-6)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg

Oral

LD50 Guinea pig 5300 mg/kg

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ComponentsSpeciesTest ResultsRat8 g/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation Causes skin irritation. Prolonged skin contact may cause temporary irritation. Defatting, drying and

cracking of skin.

Serious eye damage/eye

irritation

Causes serious eye irritation. Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization May cause an allergic skin reaction. This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

TRIETHANOLAMINE (CAS 102-71-6) 3 Not classifiable as to carcinogenicity to humans.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity May cause harm to breastfed babies.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard May be harmful if swallowed and enters airways.

Chronic effects Prolonged exposure may cause chronic effects.

Further information Symptoms may be delayed.

12. Ecological information

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

Components	Species	Test Results

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

Aquatic

Fish LC50 Rainbow trout, donaldson trout 0.05 - 0.089 mg/l, 96 hours

(Oncorhynchus mykiss)

CHLORINATED PARAFFIN (CAS 63449-39-8)

Aquatic

Fish LC50 Bluegill (Lepomis macrochirus) > 0.1 mg/l, 96 hours

NONYLPHENOXYPOLYETHOXYETHANOL (CAS 127087-87-0)

Aquatic

Acute

Crustacea EC50 Daphnia 1.6 - 10 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 1.2 - 9.3 mg/l, 96 hours

SEVERELY-HYDROTREATED NAPHTHENIC PETROLEUM (CAS 64742-52-5)

Aquatic

Acute

Fish LC50 Fish > 100 mg/l, 96 hours

TRIETHANOLAMINE (CAS 102-71-6)

Aquatic

Crustacea EC50 Water flea (Ceriodaphnia dubia) 565.2 - 658.3 mg/l, 48 hours
Fish LC50 Fathead minnow (Pimephales promelas) 10610 - 13010 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

^{*} Estimates for product may be based on additional component data not shown.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

TRIETHANOLAMINE

This product is miscible in water. Mobility in soil

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation Other adverse effects

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Consult authorities before disposal. Do not contaminate ponds, waterways or ditches with

chemical or used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Dispose in accordance with all applicable regulations. Local disposal regulations

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Do not re-use empty containers.

14. Transport information

DOT

UN3082 **UN** number

Environmentally hazardous substances, liquid, n.o.s. (CHLORINATED PARAFFIN and SODIUM **UN proper shipping name**

ALKYLARYL SULFONATE), MARINE POLLUTANT

Transport hazard class(es)

9 **Class** Subsidiary risk 9 Label(s) Packing group Ш **Environmental hazards**

Marine pollutant Yes

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

8, 146, 335, IB3, T4, TP1, TP29 Special provisions

155 Packaging exceptions Packaging non bulk 203 Packaging bulk 241

Supplemental Information: 49CFR 171.4 excludes "non-bulk" packages (119 gallons or less) from Marine Pollutant Requirements

unless all or part of the shipment is by vessel.

IATA

UN number UN3082

Environmentally hazardous substance, liquid, n.o.s. (CHLORINATED PARAFFIN and SODIUM **UN proper shipping name**

ALKYLARYL SULFONATE)

Transport hazard class(es)

9 Class Subsidiary risk Ш Packing group **Environmental hazards** Yes **ERG Code** 9L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo Allowed.

aircraft

Allowed. Cargo aircraft only

IMDG

UN3082 **UN number**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORINATED PARAFFIN **UN** proper shipping name

and SODIUM ALKYLARYL SULFONATE), MARINE POLLUTANT

Transport hazard class(es)

Material name: OAK KOOL® 625-A-E

Class 9

Subsidiary risk Ш Packing group **Environmental hazards**

Marine pollutant Yes **EmS** F-A, S-F

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Not established.

Transport in bulk according to

Annex II of MARPOL 73/78 and the IBC Code

DOT; IATA; IMDG



Marine pollutant



DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant. **General information**

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. It may be reportable under the provisions of SARA Sections 311 and 312 if specific threshold criteria are met or exceeded.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

HEXAHYDRO-1,3,5-TRIS (2-HYDROXYETHYL)-S-

1.0 % One-Time Export Notification only.

TRIAZINE (CAS 4719-04-4)

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

Material name: OAK KOOL® 625-A-E SDS US

SARA 313 (TRI reporting)

Chemical name CAS number % by wt. 3-IODO-2-PROPYNYL BUTYLCARBAMATE 55406-53-6 0.1 - 1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

Not regulated. **Food and Drug**

Administration (FDA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. Massachusetts RTK - Substance List

TRIETHANOLAMINE (CAS 102-71-6)

US. New Jersey Worker and Community Right-to-Know Act

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

TRIETHANOLAMINE (CAS 102-71-6)

US. Pennsylvania Worker and Community Right-to-Know Law

TRIETHANOLAMINE (CAS 102-71-6)

US. Rhode Island RTK

3-IODO-2-PROPYNYL BUTYLCARBAMATE (CAS 55406-53-6)

California South Coast Air Quality Management District (SCAQMD) Rule 1144 (VOC Emissions)

This product is subject to SCAQMD Rule 1144; it is compliant and may be sold and used in the SCAQMD. The VOC content of the product is 79 g/L, measured by ASTM Method E-1868-10. This product has a specified use dilution VOC limit of 75 g/L, the maximum dilution concentration is 94

% to maintain compliance.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

International Inventories

Country(s) or region	Inventory name	On inventory or exempt (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last revision

Issue date 05-12-2015

Version # 01

Further information Not available.

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision Information

Product and Company Identification: Product and Company Identification

Composition / Information on Ingredients: Ingredients Physical & Chemical Properties: Multiple Properties

Transport Information: Proper Shipping Name/Packing Group

Regulatory Information: United States

HazReg Data: North America

GHS: Classification