

Safety Data Sheet

Issue Date: 10-Jun-2015

Review Date: 10-May-2021

Version 1

1. IDENTIFICATION

Product Name TIFCO KLEEN KUT LIGHT VISCOSITY

Other means of identification 9628, 9668, 9674

Recommended Use Drilling, tapping, cutting, metalworking fluid

Supplier Address TIFCO Industries
21400 Northwest Freeway
Cypress, TX 77429

Company Phone Number 281-571-6000

Emergency Telephone (24 hr) 800-255-3924

2. HAZARDS IDENTIFICATION

Classification This product classified according to the HazCom 2012 (29CFR 1910.1200) and the Canada Hazardous Products Regulation (CPR)

Acute toxicity - Inhalation (Dusts/Mists) Category 4

Signal Word WARNING

Hazard Symbol



Hazard Statements H332 Harmful if inhaled

Precautionary Statements - Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P271 Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor if you feel unwell.

Other Hazards Harmful to aquatic life with long lasting effect.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	20-50
Chlorinated paraffin (C14-17)	61788-76-9	10-30

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove from further exposure. Use adequate respiratory protection. Seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
Ingestion	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Symptoms	Maybe harmful if inhaled.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media	Use water fog, foam, dry chemical, alcohol resistant foam or carbon dioxide (CO ₂) DO NOT use straight streams of water (could cause fire to spread)
Specific Hazards Arising from the Chemical	Not determined.
Hazardous Combustion Products	Smoke, Fume, Incomplete combustion products, Oxides of carbon.
Protective equipment / Precautions for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin or eyes. Do not breathe dust/fume/gas/mist/vapors/spray. See SECTION 8 for Personal Protective Equipment.
Environmental Precautions	Prevent entry into drains, waterways, rivers, lakes, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. See SECTION 12 for Ecological Information
Methods for Clean-Up	Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements
Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Store away from heat and open flame. Storage temperature 5-40°C (41-104°F).
Incompatible Materials	Oxidizing agents. Strong alkalis. Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Component information

Chemical Name	ACGIH	OSHA	NIOSH
Distillates, Hydrotreated Napthanic 64742-53-6	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	10 mg/m ³ 15 min

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health

TLV: Threshold Limit Value

TWA: Time weight average

STEL: Short Term Exposure Limit

Engineering Controls	Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV). Maintain eye wash fountain and quick-drench facilities in work area.
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Personal Protective Equipment

Eye/Face Protection	If contact is likely, safety glasses with side shields are recommended.
Skin and Body Protection	If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild wintergreen scent
Appearance	Clear	Odor Threshold	Not determined
Color	Yellow / light amber		
Property	Values	Remarks • Method	
pH	Not determined		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	Not determined		
Evaporation Rate	< 1		Pensky-Martens Closed Cup (PMCC)

Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	<1.0	(Air=1)
Specific Gravity	0.96 - 0.98	
Water Solubility	Nil	
Solubility in other solvents	Not determined	
Viscosity	140-190 SUS	@ 38°C (100°F)

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Stable under recommended storage conditions.
Conditions to Avoid	Incompatible Materials.
Incompatible Materials	Oxidizing agents. Strong alkalis. Strong acids.
Hazardous Decomposition Products	Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause temporary irritation on eye contact.
Skin Contact	Prolonged contact may cause redness and irritation.
Inhalation	May cause irritation to the mucous membranes and upper respiratory tract.
Ingestion	May cause gastrointestinal irritation or diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2.18 mg/L (Rat) 4 h

Information on toxicological effects

Skin Sensitization	No data available
Carcinogenicity	No data available
STOT- repeated/single exposure	No data available
Gem Cell Mutagenicity	No data available
Reproductive Toxicity	No data available
Numerical measures of toxicity	Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic life with long lasting effect				
Component Information	Alkanes (C14.17), Chloro CAS# 85535-85-9 EC50 daphnia magna, 0.0059 mg/l, 48-hr NOEC daphnia magna, 0.010 mg/l, 21 day Distillates (PET), hydrotreated light naph CAS # 64742-53-6 LC₅₀ Oncorhynchus mykiss 5000 mg/kg 96 hr EC₅₀ Daphnia magna 1,000mg/L 48 hr				
Persistence/Degradability	Not determined.				
Bioaccumulation	Not determined.				
Mobility	Liquid under most environmental conditions. Float on water. If enters soil it will absorb to soil particles and will be immobile. Would not be expected to leach from soil into groundwater <table border="1"> <thead> <tr> <th>Chemical Name</th><th>Partition Coefficient logP_{ow}</th></tr> </thead> <tbody> <tr> <td>Alkanes (C14.17), Chloro CAS# 85535-85-9</td><td>4.9 - 12</td></tr> </tbody> </table>	Chemical Name	Partition Coefficient logP _{ow}	Alkanes (C14.17), Chloro CAS# 85535-85-9	4.9 - 12
Chemical Name	Partition Coefficient logP _{ow}				
Alkanes (C14.17), Chloro CAS# 85535-85-9	4.9 - 12				
Other Adverse Effects	Not determined				

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT	NOT REGULATED
IATA	
UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s (Alkanes C14-C17, chloro)
Class/Packing Group	9, III, EHS
IMDG	
UN number	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s (Alkanes C14-C17, chloro)
Class/Packing Group	9, III (EHS-Marine Pollutant)

15. REGULATORY INFORMATION

International Inventories	The component(s) of this product comply with the inventory requirements of the countries
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Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	INSQ	KECL	AICS
PET distillates, hydrotreated light, naph	X	X		X			X	X	X
Chlorinated paraffin (C14-17)	X	X		X			X	X	

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
INSQ - Mexico National Inventory of Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Canada WHMIS Classification

D2B: Materials Causing Other Toxic Effects (Toxic)

US Regulations 61**EPCRA – Emergency Planning and Community Right-to-Know Act****CERCLA**

This material does not contain a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

SARA 311/312 Hazard Categories**Acute Health Hazard****SARA 313**

This product does not contain any chemical(s) regulated under the Section 313 Title III of the Superfund Amendments and Reauthorization Act

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	1	0	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	0	Not determined

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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.

End of Safety Data Sheet