



SAFETY DATA SHEET

1. Product and Company Identification

Product identifier	KLONDIKE TACKY SAW GUIDE OIL
Version #	03-16-2017
Issue date	Mixture
CAS #	
Product code	TACKY SAW GUIDE OIL
Product use	
Manufacturer information	KLONDIKE Lubricants Corporation 3078 275th Street Langley, BC V4W 3L4 Canada info@klondikelubricants.com www.klondikelubricants.com

2. Hazards Identification

Emergency overview

U.S. OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with 29 CFR 1910.1200 and determined not to be hazardous.

Potential health effects

EFFECTS OF OVEREXPOSURE: No significant effects expected.
EMERGENCY RESPONSE DATA: Data Amber Liquid. Note: Pressurized mists may form a flammable mixture. DOT ERG No. – NA.

3. Composition/Information on Ingredients

CHEMICAL NAMES AND SYNONYMS: SEVERE TREAT MIN. OILS & ADDITIVES.

INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:

This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.

See Section 15 for European Label

Information. See Section 8 for exposure

limits (if applicable).

4. First Aid Measures

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water. High pressure accidental injection through the skin requires immediate medical attention for possible incision, irrigation and/or debridement.

INHALATION: Not expected to be a problem.

INGESTION: Not expected to be a problem. However, if greater than ½ liter (pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by mouth to an unconscious person.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Note: Pressurized mists may form a flammable mixture. Flash Point C(F): > 198(389) (ASTM D-92). Flammable limits – LEL: NA, UEL: NA.

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.

6. Accidental Release Measures

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U.S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify Infotrac (800) 424-5571.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

7. Handling and Storage

HANDLING: High pressure injection under the skin may occur due to the rupture of pressurized lines. Always seek medical attention.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

8. Exposure controls/Personal Protection

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

EXPOSURE LIMITES: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m³ is suggested for oil mist.

9. Physical and Chemical Properties

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid

COLOR: Dark Amber

ODOR: Mild

ODOR THRESHOLD-ppm: NE

Ph: NA

BOILING POINT C(F): > 316(600)

MELTING POINT C(F): NA

FLASH POINT C(F): > 238(460) (ASTM D-92)

FLAMMABILITY: NE

AUTO FLAMMABILITY: NE

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: < 0.1

VAPOR DENSITY: > 2.0

EVAPORATION RATE: NE

RELATIVE DENSITY, 15/4 C: 0.86-0.89

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: > 3.5

VISCOSITY AT 40 C, cSt: 68-175

VISCOSITY AT 100 C, cSt: 8.5-15.7

POUR POINT C(F): < 5(-15)

FREEZING POINT C(F):
NE VOC: NA

NA = NOT APPLICABLE NE = NOT ESTABLISHED D = DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE.

10. Stability and Reactivity

STABILITY (THERMAL, LIGHT, ETC.) Stable

CONDITIONS TO AVOID: Extreme heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Metal oxides. Elemental oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

11. Toxicological Data

----ACUTE TOXICOLOGY----

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ----Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ----Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not applicable.----Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonable foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less).----Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3).----Based on testing of similar products and/or the components.

----CHRONIC TOXICOLOGY (SUMMARY)----

The base oils in this product are severely solvent refined and/or severely hydro treated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as the Mobil Modified Ames Test and IP-346.

SENSITIZATION (SUMMARY)

Representative formulations have not caused skin sensitization in guinea pigs.

12. Ecological Information

ENVIRONMENTAL FATE AND EFFECTS: This product is expected to be inherently biodegradable. There is no evidence to suggest bioaccumulation will occur. It is not expected to be toxic to aquatic organisms.

Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

13. Disposal Considerations

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of produce characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

14. Transport Information

USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

15. Regulatory Information

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, MITI, and DSL.

EU Labeling: EU labeling not required.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None

This product contains the following SARA (313) Toxic Release Chemicals:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>CONC.</u>
PHOSPHORODITHOIC ACID, O, 0-DI C1-14-ALKYL, ESTERS, ZINC SALTS (2:1) (ZDDP)	68649-42-3	1.44%

The following product ingredients are cited on the lists below:

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>LIST CITATIONS</u>
ZINC (ELEMENTAL ANALYSIS) (0.20%)	7440-66-6	22
CHLORINE (EA) (0.02%)	7782-50-5	22
PHOSPHORODITHOIC ACID, 0,0-DI C1-14-ALKYL ESTERS, ZINC SALTS (2: 1) (ZDDP) (1.68%)	68649-42-3	18, 20, 21, 22, 24, 25

---REGULATORY LISTS SEARCHED---

1=ACGIH ALL	6=IARC 1	11=TSCA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSCA 5a2	17=CA P65	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSCA 5e	REPRO	23=MN RTK
4=NTP	9=OSHA CARC	14=TSCA 6	18=CA RTK	24=NJ RTK
CARC	10=OSHA Z	15=TSCA 12b	19=FL RTK	25=PA RTK
5=NTP SUS			20=IL RTK	26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen: REPRO=Reproductive

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

Issue date 03-16-2017

Version # 02

Disclaimer The information in this document was written based on the best knowledge and experience currently available, and is offered for your consideration and guidance when exposed to this product. KLONDIKE Lubricants Corporation disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this document does not apply to use with any other product or in any other process. This document may not be changed, or altered in any way without the expressed knowledge and permission of KLONDIKE Lubricants Corporation.