



SAFETY DATA SHEET

Issue Date 19-Jun-2018

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Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name TAN TEST KIT

Other means of identification

Product code: 050018

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Total Acid Number Test Kit.

Uses advised against Consumer use

Details of the supplier of the safety data sheet

Supplier Address

Klüber Lubrication NA LP
9010 County Road 2120
Tyler, Texas 75707
Phone: (903) 534-8021
Fax: (903) 581-4376

Emergency telephone number

Emergency Telephone CHEMTREC: 1-800-424-9300; INTERNATIONAL: (703) 527-3887

2. HAZARD IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

WHMIS 2015 Regulatory Status

This chemical is considered hazardous by the Canadian Hazardous Products Regulations (WHMIS 2015).

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Flammable liquids	Category 4

Label Elements

EMERGENCY OVERVIEW

Signal word

Warning

Hazard statements

May be harmful if swallowed
Causes skin irritation
Causes serious eye irritation

Combustible liquid

**Appearance** Liquid**Physical state** Liquid**Odor** Aromatic**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Eyes 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

Skin IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

In case of fire: Use CO₂, dry chemical, or foam for extinction**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other information**

- May be harmful if swallowed
- May be harmful in contact with skin
- Harmful to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This material is considered hazardous by the Canadian Hazardous Products Regulation (WHMIS 2015).

Components	CAS-No	Weight %	Trade Secret
Octanol	111-87-5	80 - 100%	*
Methanol	67-56-1	< 0.3%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures**Eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.

Skin contact:

Consult a physician. Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use.

Inhalation: Call a physician immediately. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Symptoms: May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use dry chemical, CO₂, water spray or "alcohol" foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

Specific hazards arising from the chemical

Combustible material. Keep product and empty container away from heat and sources of ignition.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment 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, protective equipment and emergency procedures

Personal precautions: Wear personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation.

Environmental precautions

Environmental precautions: Prevent product from entering drains. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers dry and tightly closed to avoid moisture absorption and contamination

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Components	ACGIH TLV	OSHA (TWA mg/m ³):	IDLH:
Methanol - 67-56-1	-	TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) S*	

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

- Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection:** Impervious gloves
- Eye protection:** Tightly fitting safety goggles
- Skin and body protection:** Impervious clothing
- General Hygiene Considerations** Avoid contact with skin, eyes and clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid **Odor** Aromatic **Color** Blue **Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	<u>pH</u>	<u>Not applicable</u>
Melting point/freezing point	No information available		Boiling point / boiling range	194 °C / 382 °F
Flash point	81 °C / 178 °F	Cleveland Open Cup	Evaporation rate	No information available
Flammability (solid, gas)	No information available		Flammability Limit in Air	
Upper flammability limit:	No information available		Lower flammability limit:	No information available
Vapor pressure	No information available		Vapor density	No information available
Specific Gravity	0.8		Water solubility	Insoluble in water
Solubility in other solvents	No information available		Partition coefficient	No information available
Autoignition temperature	273 °C / 523 °F		Decomposition temperature	No information available
Kinematic viscosity	No information available		Dynamic viscosity	No information available
Explosive properties	No information available			

Oxidizing properties No information available

Other information

Softening point No information available
Molecular weight No information available
VOC Content (%) No information available
Density No information available
Bulk density No information available

10. STABILITY AND REACTIVITY

Reactivity

Not applicable

Chemical stability

Stability Stable under normal conditions

Possibility of Hazardous Reactions

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerization Hazardous polymerization does not occur.

Conditions to avoid

Conditions to avoid Heat, flames and sparks

Hazardous Decomposition Products

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors

Incompatible materials

Incompatible materials Oxidising agents

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information May be harmful if swallowed. May be harmful if absorbed through the skin

Eye contact Irritating to eyes.

Skin contact Irritating to skin.

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Octanol - 111-87-5	> 3200 mg/kg (Rat) = 4590 mg/kg (Rat) > 5000 mg/kg (Rat) > 8300 mg/kg (Rat)	> 5000 mg/kg (Rabbit) = 2530 mg/kg (Rabbit) > 1600 mg/kg (Rat)	= 0.237 mg/L (Rat) 4 h
Methanol - 67-56-1	= 5628 mg/kg (Rat)	-	= 83.2 mg/L (Rat) 4 h

Information on toxicological effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No sensitization responses were observed.

Mutagenic effects:	Did not show mutagenic or teratogenic effects in animal experiments.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.
STOT - Single Exposure	None under normal use conditions.
STOT - Repeated Exposure	None under normal use conditions.
Aspiration hazard	Not applicable.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	3204 mg/kg
ATEmix (dermal)	2531 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life

0.00016% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Octanol - 111-87-5	
Algae/aquatic plants	2.7: 96 h Pseudokirchneriella subcapitata mg/L EC50
Fish	11.4 - 12.9: 96 h Pimephales promelas mg/L LC50 flow-through 3.6 - 5.1: 96 h Lepomis macrochirus mg/L LC50 static 4.78 - 8.85: 96 h Oncorhynchus mykiss mg/L LC50 static 17.68: 96 h Oncorhynchus mykiss mg/L LC50 static
Crustacea	4.78 - 8.87: 48 h Daphnia magna mg/L EC50 Static 3: 48 h Daphnia magna mg/L EC50 320: 48 h Daphnia magna mg/L EC50 8.5: 48 h Daphnia magna mg/L EC50
Methanol - 67-56-1	
Algae/aquatic plants	-
Fish	13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static
Crustacea	-

Persistence and degradability

No information available.

Bioaccumulation

Material does not bioaccumulate.

Mobility

The product is insoluble and floats on water.

Components	Partition coefficient
Octanol - 111-87-5	3.15
Methanol - 67-56-1	-0.77

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Contaminated packaging Do not reuse container.

Components	Methanol - 67-56-1
RCRA - Basis for Listing	-

RCRA U List of Hazardous Wastes - Reference:	U154
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14. TRANSPORT INFORMATION

Note:	*According to 49 CFR §173.150(f)(1), this material should be reclassified as NA1993, Combustible Liquid, n.o.s. if it is shipped in bulk
DOT	Not Regulated in nonbulk quantities
TDG	Not Regulated
IATA-DGR	Not Regulated
IMO / IMDG	Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA:	Listed in TSCA
DSL:	All of the components in this product are listed in DSL
EINECS/ELINCS	This product complies with EINECS/ELINCS
CHINA:	This product complies with China IECSC.
KECL:	This product complies with Korea KECL.
PICCS:	This product complies with Philippines PICCS.
AICS:	All the constituents of this material are listed on the Australian AICS

Legend:

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
ENCS	- Japan Existing and New Chemical Substances
IECSC	- China Inventory of Existing Chemical Substances
KECL	- Korea Existing and Evaluated Chemical Substances
PICCS	- Philippines Inventory of Chemicals and Chemical Substances
AICS	- Australian Inventory of Chemical Substances

Canada HPR Statement

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

State Regulations (RTK)**California Proposition 65**

This product contains chemicals known to the state of California to cause birth defects or other reproductive harm

Components	California Proposition 65 CRT List - Hazard Designation:
Methanol	Listed: March 16, 2012 Developmental Toxicity

U.S. State Right-to-Know Regulations

Components	NJRTK:	MARTK:	PARTK:
Octanol - 111-87-5	Not Listed	Not Listed	Listed.
Methanol - 67-56-1	Substance no. 1222 Listed	Listed	Listed

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA:

Health: 2

Flammability: 2

Instability 0

NFPA/HMIS * for Carc, Muta, Tera, Specific Organ *

HMIS health rating:

Health: 2

Flammability: 2

Physical hazards 0

Personal protection B

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Revision Note

Not applicable

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