



Safety Data Sheet

Tuxton Low Temperature Hydraulic Oil 100

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Tuxton Low Temperature Hydraulic 100
Product Number: TSB14100
Recommended Use: Hydraulic Oil

Company Identification

Tuxton Products
32 Ward Road
North Tonawanda, New York, 14120
1-800-638-1887 (For product information)
1-800-424-9300 (For emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

Hazard Rating	
	HMIS
Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	B

2. HAZARDS IDENTIFICATION

PHYSICAL STATE: Liquid

ODOR: Petroleum

WHMIS(Canada): Not controlled under WHMIS

OSHA: Under normal conditions of use and when used for its intended purposes this material is not classified as hazardous in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product.

POTENTIAL HEALTH EFFECTS

EYE:

Contact may cause eye irritation.

SKIN:

Prolonged or repeated contact may cause skin irritation, local redness and swelling.

INHALATION:

High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

INGESTION:

May be harmful if swallowed.

CHRONIC EFFECTS:

None reported

CARCINOGENICITY:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
Hydrotreated Petroleum Oil	0 – 90%	Various
Proprietary Ingredients	< 15%	Mixture

Composition Comment

This product contains the following components required to be reported per the SARA Section 313: None

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT FIRST AID:

Wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.

INHALATION FIRST AID:

Remove to fresh air.

If not breathing, give artificial respiration and contact a physician immediately.

INGESTION FIRST AID:

Do NOT induce vomiting, but give one or two glasses of water to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Treat Symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Typical) Method: 218 °C (424 °F) ASTM D-92

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Carbon dioxide, foam, dry powder or foam. Use caution when applying carbon dioxide or inert gas in confined spaces. Do not use water, because this product is oil based. Water or foam may cause frothing.

FIRE & EXPLOSION HAZARDS:

Can burn in fire, releasing toxic vapors, fumes, and smoke.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and oxides of sulfur and/or nitrogen. Also, depending upon the conditions of use, low concentrations of hydrogen sulfide can be released.

6. ACCIDENTAL RELEASE MEASURES**SAFEGUARDS (PERSONNEL):**

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

INITIAL CONTAINMENT:

Absorb spills with inert material. Do not allow material to enter soil or surface water.

LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material.

MISCELLANEOUS:

Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

7. HANDLING AND STORAGE**HANDLING (PERSONNEL):**

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Secure container after each use. Store in a cool dry area.

Avoid contact with strong oxidizing agents.

STORAGE PRECAUTIONS:

Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**OCCUPATIONAL EXPOSURE LIMITS**

Material	Source	Type	mg/m ³	Notation
Oil Mist, Mineral	ACGIH	TWA (Inhalable fraction.)	5 mg/m ³	
Oil Mist, Mineral	OSHA Z1A	TWA (Mist.)	5 mg/m ³	

ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

EYE / FACE PROTECTION REQUIREMENTS:

When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Where contact is likely, wear chemical resistant gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

GENERAL COMMENTS:

Always observe good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, etc... The "Oil Mist, Mineral" exposure limits/standards shown above are suggested as minimum control guidelines. Follow applicable regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

- FORM: Liquid
- ODOR: Petroleum
- COLOR: Amber
- VAPOR PRESSURE.....: Less than 0.1 mm Hg at 68°F (20°C)
- VAPOR DENSITY: Heavier than air (Air = 1)
- AUTOIGNITION TEMPERATURE .: Not Available
- SPECIFIC GRAVITY: .8867 Approximately
- DENSITY: 7.39/lb Approximately
- VISCOSITY: 100.00 cSt at 40 °C
- FLASH PT.: 424 °F
- POUR PT.: -30 °C

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Not expected to occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

CONDITIONS TO AVOID:

Keep away from extreme heat, sparks, open flame, and strongly oxidizing conditions.

11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION:

Based on data on the components and the toxicology of similar materials

ROUTES OF ENTRY:

Skin, Eyes, Ingestion, and Inhalation.

ACUTE EXPOSURE:

EYE IRRITATION:

Not expected to cause eye irritation. Based on data from components or similar materials.

Vapors may cause irritation.

SKIN IRRITATION:

Slightly irritating based on data from components or similar materials. Prolonged or repeated skin contact without proper hygiene may result in skin disorders such as acne.

RESPIRATORY IRRITATION:

Based on data from components and similar materials, Inhalation of vapors or mists may cause irritation.

DERMAL TOXICITY:

Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit

ORAL TOXICITY:

Expected to be of low toxicity: LD50 > 5000 mg/kg , Rat

INHALATION TOXICITY:

Based on data from components and similar materials, product is not considered to be an inhalation hazard under normal conditions of use.

SENSITISATION:

Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components or similar formulations.

CRONIC EXPOSURE:

CHRONIC TOXICITY:

No data available to indicate product or components present at greater than 1% are chronic health hazards.

CARCINOGENICITY:

Product contains mineral and/or synthetic oils shown to be noncarcinogenic in laboratory studies with the same or similar materials. Mineral and synthetic oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

MUTAGENICITY:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

REPRODUCTIVE TOXICITY:

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

TERATOGENCITY:

No data available to indicate either product or components present at greater than 0.1% that may cause birth defects.

ADDITIONAL INFORMATION:

No other health hazards known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Ecological Toxicity data has not been determined specifically for this product. The ecological toxicity hazard is based on an evaluation of data for the components or a similar material. This material is

expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if discarded, is not considered a hazardous waste.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Tuxton Low Temperature Hydraulic 100
D.O.T SHIPPING NAME ...: Not Regulated by DOT

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

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|-----------------------------------|-----------------------------------|
| 01 = CANADIAN DISCLOSURE LIST | 02 = CERCLA Hazardous Substances |
| 03 = TITLE V OF THE CLEAN AIR ACT | 04 = SC Toxic Air Pollutants List |
| 05 = SARA TITLE III - SECTION 313 | 06 = SARA Title III - Section 312 |
| 07 = CA PROPOSITION 65 | 08 = RCRA Hazardous Substances |

No information available.

16. OTHER INFORMATION

REASON FOR ISSUE ...: New
APPROVAL DATE: December 23, 2013
SUPERCEDES DATE: ..New
RTN NUMBER: TSB140100 (Official Copy)

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END OF SDS
