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KJLC Code: **TKO500ULTG1**

ACTIO MSDS ID: 777537

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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION (N/A)

Product Name: TKO-500 Ultra
Synonyms: White Mineral Oil
CAS Number: Mixture
Chemical Family: Hydrocarbon
Manufacturer Name: Kurt J. Lesker Company
Address: 1925 Worthington Avenue
 Clairton, PA 15025
 Emergency Phone Numbers:
 Outside the USA
 703-527-3887
 collect calls accepted

Business Phone: 412/387-9200
Business Fax: 412/384-2745


CHEMTREC Numbers:
For emergencies in the US, call CHEMTREC: 800-424-9300

Health Phone: Poison Center (USA): 800-222-1222
Revision Date: 8/10/2007 ewr

Chemical Name: White Mineral Oil


HMIS Hazard Rating:
 Personal Protection: See section 8
 PPE: X: PPE is dependant on use and conditions and should be site specifically determined.

Product Codes: TKO500ULTQ1, TKO500ULTG1, TKO500ULTG5, TKO500ULTG55

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS : (N/A)

Ingredient Name	CAS#	Ingredient Percent
White Mineral Oil	8042-47-5	Approximate Weight/ Concentration: 100% by Weight
EC Index Number:	1	
Vitamin E	52-09-9	Approximate Weight/ Concentration: 5.0-0.0 PPM by Weight
EC Index Number:	1	

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SECTION 3 : HAZARDS IDENTIFICATION

: (N/A)

Emergency Overview: This is not a dangerous substance under conditions of normal use. Thermal decomposition will generate carbon monoxide, carbon dioxide, and other toxic materials. Do not enter confined or enclosed spaces without proper PPE and respiratory protection.


Applies to All Ingredients :**Potential Health Effects:**

Eye Contact: May cause mild transient irritation.

Skin Contact: May cause mild transient irritation.

Inhalation: Prolonged exposure to elevated vapor or mist may cause severe lung damage. Seek Medical attention immediately

Ingestion: Non-expected to be toxic Treat symptomatically. Do not induce vomiting.

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SECTION 4 : FIRST AID MEASURES


: (N/A)

Eye Contact: Flush eyes for 15 minutes w/ water, retracting eyelid often. Seek medical attention if irritation persists

Skin Contact: Wash thoroughly w/ mild soap & water. Flush w/ lukewarm water for 15 minutes.

Inhalation: If symptoms of irritation, discomfort, or overcome, remove to fresh air. Give oxygen or artificial respiration as needed. Contact a physician. Inhalation of vapors may cause aspiration which could lead to pulmonary edema or aspiration pneumonia. Exposed persons should be kept under medical observation for at least 48 hrs to monitor for delayed effects.

Ingestion: Do not induce vomiting. Treat symptomatically. Not expected to be toxic

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SECTION 5 : FIRE FIGHTING MEASURES

: (N/A)

Flash Point: > 188 deg C (370 deg F)

Flash Point Method: Open cup

(Cleveland open cup)

Upper Flammable or Explosive Limit: Not Applicable

Lower Flammable or Explosive Limit: Not Applicable


Auto Ignition Temperature: Not Applicable

Flammability Class: NFPA Class 3B Combustible Liquid

Extinguishing Media: Water (spray or fog), foam, dry chemical or Carbon dioxide (CO2)

Fire Fighting Instructions: Full turn out gear. Use SCBA with full face piece in positive pressure mode and skin protection for toxic thermal decomposition products. Do not enter fire area without proper protection. Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water may be used to flush spills away from exposures. Do not let runoff from fire control methods reach sewers or waterways. If fire involves a rail or tank truck ISOLATE for 800 meters in all directions. Shut off fuel if possible to do so safely. If this is not possible withdraw and let the fire burn out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any tank discoloration.

Unusual Fire Hazards: Oil will float on water and can spread fire

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

: (N/A)

Spill Cleanup Measures: Wear protective clothing when taking up spills. Eliminate sources of ignition. Observe caution as product may cause a slip hazard

Large Spill: In case of large spills dike far ahead of liquid spill for later disposal. Do not release to sewers or waterways. Recover liquid for reuse or reclamation. Soak up with sawdust, sand, oil dry or other absorbent material. Follow all applicable Federal, State, and local regulations for disposal. Completely drain, bung, and ship empty drums to a supplier or drum reconditioner.

Small Spill: For small spills absorb with inert material such as sand, earth, vermiculite.

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SECTION 7 : HANDLING and STORAGE

: (N/A)

Handling: Wash hands after use and before handling food or applying cosmetics. Do not use tobacco products in the immediate area. Do not pressurize drum to empty. Residual vapors may explode on ignition. Do not puncture, weld, drill grind, or produce sparks on or near this container. Electrically bond and ground all containers and


equipment before transfer or use.

Storage:	Keep containers closed. Keep away from heat, sparks, and flames. Do not store near combustible material. Store in a dry, cool place away from direct sunlight. Keep containers tightly closed away from heat and flame.
Hygiene Practices:	Practice good chemical hygiene before and after use.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION : (N/A)

Ventilation System:	Requirement: Local Exhaust Process away from operator at a rate of 50 feet per minute when vapors or mist are generated.
Skin Protection Description:	Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated exposure
Eye/Face Protection:	Face shield and/or chemical goggles for splashes
Respiratory Protection:	Not normally required except in emergencies. If vapors or mists occur, NIOSH/ MSHA approved respirators are recommended. Observe respirator limitations as listed by NIOSH/MSHA and the Manufacturer. Follow OSHA respirator regulations 29CFR 1910.134
Other Protective:	Eyewash and emergency safety showers and washing facilities are recommended in the work area Separate contaminated clothing from street clothing. Launder separately before reuse. Remove materials from shoes and clean PPE.
Exposure Limits:	ACGIH Threshold Limit Value (8HR TWA): (mist) 5 mg/m ³ ; STEL (mist) 10.0 mg/m ³ OSHA Permissible Exposure Limit Value (8HR TWA): 5 mg/m ³
HMIS Hazard Rating:	Health: 0 Flammability: 1 Reactivity: 0 Personal Protection: See section 8

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES : (N/A)

Color:	Water white
Odor:	None
Vapor Pressure:	< 0.008 hPa (0.01 mmHg) @ 20 deg C
Flash Point:	> 188 deg C
Flash Point Method:	(Cleveland open cup)
Boiling Point:	(deg C) STP: > 230 deg C
Solubility:	Water: No Organic solvents: Yes
Specific Gravity:	(g/cc): 0.88 (water =1)
Percent Volatile:	By Volume: Nil
Viscosity:	Kinematic Viscosity: 125 cSt @ 40 deg C 12 cSt @ 100 deg C
Coefficient of Water/Oil Distribution:	Coefficient of Water/Oil Distribution: log POW: > 6 This product is soluble in oil

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SECTION 10 : STABILITY and REACTIVITY : (N/A)

Chemical Stability:	This material is stable at room temperature in closed containers
Conditions to Avoid:	Avoid heat, spark, flames, and direct sunlight
Incompatibilities with Other Materials:	(Materials to avoid): Incompatible with strong oxidizing agents
Reactivity:	This material is non reactive
Hazardous Polymerization:	Hazardous Polymerization will not occur
Hazardous Decomposition Products:	Thermal decomposition of this product will generate carbon monoxide, carbon dioxide, and other toxic byproducts.

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SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

Applies to All Ingredients :

Acute Health Effects:	Acute Effects: No evidence of harmful effects to skin or eye from information available
Chronic Skin Effects:	Prolonged or repeated contact may lead to skin irritation by dermatitis or oil acne
Chronic Inhalation Effects:	Aspiration may cause pulmonary edema or aspiration pneumonia. Oil deposits in the lung may lead To fibrosis and reduced pulmonary function. Prolonged or repeated inhalation of excessive amounts Of oil mist or vapor may cause irritation of the respiratory tract.
Carcinogenicity:	No evidence of carcinogenic activity
Sensitization:	Guinea pigs: non sensitizing
Irritation:	Skin Irritation: Guinea pigs: Non irritating Eye Irritation: Rabbit: Non irritating

[To Top of page](#)**SECTION 12 : ECOLOGICAL INFORMATION**

: (N/A)

Ecological Paragraph:	This product is stable in water and can be mechanically separated from water. The product may be suitable for disposal in a biological waste water treatment plant
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: (N/A)

Waste Disposal:	Material, as supplied, is not a hazardous waste. Incineration is probably the best means of disposal. Dispose of in accordance with all Federal, State, and Local regulations.
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: (N/A)

DOT Shipping Information:	Shipping Class: Not regulated by DOT: Freight road description: 65 Petroleum Oil, N.O.I.B.N.
Maritime Transportation CGVS/GGVE/IMDG:	This product is not regulated by IMDG
	This product is not regulated by ICAO.

[To Top of page](#)**SECTION 15 : REGULATORY INFORMATION**

: (N/A)

Applies to All Ingredients :


TSCA 8(b): Inventory Status:	United States: The ingredients of this product are listed on the TSCA inventory
Section 302:	SARA Section 302 Extremely Hazardous Substances: Not Listed
Section 312 Hazard Category:	SARA 311/312 Categories: None
Section 313 Toxic Release Form:	SARA Section 313 Toxic Chemicals: Not Listed
OSHA 29 CFR 1200:	This product is not a "hazardous substance" or "air contaminant" as defined by OSHA Hazardous Communication Standard (29CFR 1910.1200)
US Federal:	FDA: This product meets requirements of US FDA as per 21CFR 172.878 and 21CFR 178.3620(a)
Canada WHMIS:	This product is not a "controlled product" as defined by the Canadian Workplace Material Information System (WHMIS)
	Canada: The ingredients of this product are listed on the DSL
European Community Chemical Inventory Status:	Europe: The ingredients of this product are listed on the EINECS inventory
Japan Chemical Inventory Status:	Japan: The ingredients of this product are listed on the ENCS inventory
Australia Chemical Inventory Status:	Australia: The ingredients of this product are listed on the AICS inventory
International Chemical Inventory Lists:	China: The ingredients of this product are listed on the IECSC inventory
	Korea: This product is listed n the Existing Chemicals List (ECL)
	Philippines: This product is on the PICCS
	This product is not listed under Waste number or Classification by RCRA 40CFR 261.33.

White Mineral Oil :

State: New Jersey Worker and Community Right To Know Act (Labeling Requirements)
 Chemical name: White Mineral Oil
 CAS##: 8042-47-5

Vitamin E :

State: New Jersey Worker and Community Right To Know Act (Labeling Requirements)
 Chemical name: Vitamin E
 CAS ##: 59-02-9

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SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

HMIS:

Health Hazard: 0
 Fire Hazard: 1
 Reactivity: 0
 Personal Protection: See section 8; Special Hazards: Not Applicable

NFPA:

Health: 0
 Fire Hazard: 1
 Reactivity: 0
 Specific Hazard: None

MSDS Revision Date: 8/10/2007 ewr

Disclaimer:

Kurt J. Lesker Company ("KJLC") believes the information contained in this Material Safety Data Sheet is accurate as of the "Date of Last Revision" specified. The information relates only to typical properties of the product. Do not use the information for product performance or specification purposes. The information is for use by technically skilled persons at their own risk. KJLC MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT OR THE INFORMATION. The information may not be valid for product use in combination with any other product or material or in any process. KJLC expressly disclaims any liability arising from any use of the product or any reliance on the information. Do not treat the information (a) as assurance that use of the product will not infringe patent or other rights or (b) as a license or grant of patent or other property rights. "KJLC" means KJLC and each of its subsidiaries

Abbreviation: ND = No Data Available
 NA = Not Applicable

Additional Information: This product may be on chemical inventory lists but not necessarily registered in Korea, China, and New Zealand. Consult a regulatory specialist to determine applicability.

PPE: X: PPE is dependant on use and conditions and should be site specifically determined

ADDENDUM : Other Client Information

Notes: , TKO500ULTG1, TKO500ULTG5, TKO500ULTG55, TKO500ULTQ1,

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