



**Tiodize® Speed Skate Lube MSDS**  
**Advanced Composites & Coatings for the**  
**Prevention of Friction, Wear & Corrosion**  
**Since 1966**

MATERIAL SAFETY DATA SHEET

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Emergency Phones: 800/255-3924 –Domestic.  
813/248-0585– International

PRODUCT NAME: SPEED SKATE LUBE BULK

Date Prepared: June 8, 2009

1. INGREDIENTS:	CAS NUMBER	ACGIH TLV
Lubricants & Inhibitors	Proprietary	Not Established
Kerosene	8008-20-6	400 ppm
Mineral Spirits	64742-47-8	NE

2. PHYSICAL DATA:

Boiling Point:	348° F	HMIS – NFPA RATING
Vapor Pressure:	@ 70° F 70 psig	Health 2
Vapor Density:	4.8	Fire 4
(AIR=1)		Reactivity 0
Sol. In Water:	Insoluble	
Spec. Gravity:	0.87	4=Extreme
Melting Point:	Not Established	3=High
Evaporation Rate:	0.13	2=Moderate
(Butyl Acetate=1)		1=Slight
Appearance:	Amber Liquid	0=Least
Odor:	Petroleum Solvent	

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3. FIRE AND EXPLOSION HAZARD:

Flash Point: Approx. 110°F  
Method Used: TCC  
Flammable Limits: LEL = 0.7 % VOL UEL = 5.0 % VOL  
Extinguishing Media: Carbon dioxide, dry chemicals, alcohol foam  
Fire Fighting Procedures: Water unsuitable; use extinguishing media  
Fire & Explosion Hazards: Decomposition at high temperatures may form potentially toxic substance. Keep away from open flame, heat, sparks and hot surfaces.

4. REACTIVITY DATA:

Stability: Stable  
Conditions to Avoid: High temperature exposure or source of ignition.  
Incompatibility:  
Materials to Avoid: Oxidizing chemicals.  
Hazardous Decomposition  
Or Byproducts: Oxide of carbon, sulfur, calcium and barium.  
Hazardous Polymerization: Will not occur

5. HELATH HAZARD DATA:

Inhalation, Skin & Ingestion:

Routes of Entry: IF ON SKIN: This material may cause skin irritation. Prolonged or repeated exposure to this material may cause redness, burning, drying and cracking of the skin. Persons with preexisting skin disorders may be more susceptible to the effects of this material.  
IF IN EYES: This material is an eye irritant. Direct contact with the liquid or exposure to vapors or mists may cause burning, tearing, redness and swelling.  
IF SWALLOWED: Ingestion of excessive quantities may cause irritation of the digestive tract. Signs of nervous system depression.  
IF BREATHED: Breathing high concentrations of vapors or mists may cause irritation of the nose and throat. Respiratory symptoms associated with preexisting lung disorders may be aggravated by exposure to this material.

Health Hazards  
(Acute and Chronic): Overexposure may temporarily affect the nervous system with depression, dizziness, headache or loss of consciousness, and may also cause irregular pulse.

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Carcinogenicity:	Contains trace amounts of carcinogen materials
Signs and Symptoms of Exposure:	Dizziness, confusion, lack of coordination, headache
Medical Conditions Generally Aggravated by Exposure:	Irregular pulse activity, inadequate circulation, or abnormal liver function
Emergency and First Aid Procedures:	When symptoms occur, remove to fresh air, give oxygen if breathing is difficult; call a physician immediately. If in the eye, flush with water for 15 minutes.

6. PRECAUTIONS FOR SAFE HANDLING AND USE:

Steps to be Taken in Case Material is Released or Spilled:  
Contain liquid and soak up with chemical absorbents, sawdust or sand. Flush spill area with water. Wear gloves, goggles and protective clothing.

Waste Disposal Method:  
Dispose of in accordance with applicable federal, state and local regulations.

Precautions to be Taken in Handling and Storing:  
Do not store near flames or sparks and avoid high temperature storage.

Other Precautions:  
Do not burn contaminated materials.

7. CONTROL MEASURES:

Respiratory Protection:	Use NIOSH approved respirators
Ventilation:	Local Exhaust: Ventilate closed areas Mechanical: (General) Hood
Protective Gloves:	Chemical impermeable
Eye Protection:	Goggles and glasses with side shields
Other Protective Clothing/Equipment:	Clothing sufficient to minimize physical contact
Work/Hygienic Practices:	Do not store food, drinks or tobacco in area where they may be contaminated.

8. SARA TITLE III NOTIFICATION:

To comply with the reporting requirements of SARA Title III, EPA Regulations, the following is a list of chemicals that are subject to customer written notification under section 313:

Substance	CAS Number
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9. RESPONSIBILITY:

The information contained herein is furnished without expressed warranty of any kind. Data contained herein has been assembled by the manufacturer based on its own studies and is believed to be correct as of the date issued. However, there is no warranty implied as to the accuracy, completeness, or adequacy of the information obtained.

The manufacturer shall not be liable, regardless of fault, to the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the normal safe usage of the product. If there are any questions, please contact Tiodize Co., Inc. at 714/898-4377.