

Material Safety Data Sheet

Thuslick Inc.

DSCL (Pictograms) 	Protective Clothing 
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DSCL (Classification) R36/37- Irritating to eyes and respiratory system.

**In case of
Emergency 281-477- 0893**

Section 1. Chemical Product and Company Identification			
Product name/ Trade name	Thuslick	UN #	Not applicable.
Supplier	Thuslick Inc. P.O. Box 12265 Spring, Texas 77391 U.S.A.	CAS #	Mixture.
Synonym	Graphite based drilling lubricant.	EINECS#	Mixture.
Chemical name	Thuslick	Hazchem	Not available.
Chemical family	(Aliphatic.)	Telephone	281 – 477-0893
Chemical formula	Not applicable.	Fax number	281 – 477-0612
Manufacturer	Thuslick Inc. P.O. Box 12265 Spring, Texas 77391 U.S.A.	Material uses	Industrial applications: Drilling lubricant.

Section 2. Composition and Information on Ingredients				
Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
1) Graphite	7782-42-5	40-70	Not available.	Not available.
2) Phyllosilicate	12001-26-2	10-20	Not available.	Not available.
3) Polysiloxane	9016-00-6	1 - 10	Not available	3160 mg/kg (rat)
4) Fatty acid triglyceride	141-22-0	10 - 20	Not available	Not available

Section 3. Hazards Identification	
Physical State and Appearance	Solid.
Emergency Overview	Avoid contact with eyes. Avoid breathing dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	<p>Eyes Hazardous in case of eye contact (irritant). Non-corrosive to the eyes.</p> <p>Skin Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin.</p> <p>Inhalation Hazardous in case of inhalation (lung irritant).</p> <p>Ingestion Slightly hazardous in case of ingestion.</p>

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Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate medical condition.
Overexposure /Signs/Symptoms	Not available.
See Toxicological Information (Section 11)	

Section 4. First Aid Measures

Eye contact	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
Skin contact	No known effect on skin contact, rinse with water for a few minutes.
Hazardous skin contact	After contact with skin, wash immediately with plenty of water. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Hazardous inhalation	Evacuate the victim to a safe area as soon as possible. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous ingestion	Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

Section 5. Fire and Explosion Data

Flammability of the Product	May be combustible at high temperature.
Auto-ignition temperature	Not available.
Flash points	The lowest known value is CLOSED CUP: >200°C (392°F).
Flammable limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames and sparks. Non-flammable in presence of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

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Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Wear personal protective equipment as specified in section 8	

Section 7. Handling and Storage

Precautions	S22- Do not breathe dust S25- Avoid contact with eyes S36/39- Wear suitable protective clothing and eye/face protection
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
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Personal Protection

Eyes Splash goggles.

Body Lab coat.

Respiratory Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Hands Gloves.

Feet Not applicable.

Protective Clothing (Pictograms)



Personal Protection in Case of a Large Spill Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Chemical Name or Product Name	Exposure Limits
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1) Graphite	Not available.
2) Mica	Not available.
Consult local authorities for acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid.	Odor	Not available.
Molecular weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Neutral.	Color	Black
Boiling/Condensation point	Not available.		
Melting/Freezing point	Weighted average: 708.71°C (1307.7°F)		
Critical temperature	Not available.		

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Specific gravity	Weighted average: 1.39 (Water = 1)	
Vapor pressure	Not applicable.	
Vapor Density	Not available.	
Volatility	0% (w/w).	
Odor threshold	Not available.	
Evaporation rate	Weighted average: <0.2 compared to Butyl acetate.	
Viscosity	Not available.	
LogK _{ow}	Not available.	
Ionicity (in Water)	Non-ionic.	
Dispersion properties	Is not dispersed in cold water, hot water. See solubility in diethyl ether.	
Solubility	Partially soluble in diethyl ether. Insoluble in cold water, hot water.	

Section 10. Stability and Reactivity Data	
Stability	The product is stable.
Instability temperature	Not available.
Conditions of Instability Conditions of instability	Not available.
Incompatibility with Various Substances	Slightly reactive to reactive with oxidizing agents.
Corrosivity	Not considered to be corrosive for metals and glass.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 11. Toxicological Information	
Routes of entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	The substance is toxic to lungs.
Other Toxic Effects on Humans	Hazardous in case of inhalation (lung irritant). Slightly hazardous in case of ingestion. Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-corrosive to the eyes.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	Not available.

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Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste information	As a non-hazardous solid waste it can be disposed of in a licenced industrial waste landfill.
Waste stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

ADR Classification	Not controlled under ADR (Europe).	
	Not applicable.	
ADNR Classification	Not controlled under ADNR (Europe).	
	Not applicable.	
IMDG Classification	Not controlled under IMDG.	
	Not applicable.	
IATA Classification	Not controlled under IATA.	
	Not applicable.	
HI/Kemler	Not available.	
CEFIC Tremcard	Not available.	
UK Hazchem	Not available.	
Special Provisions for Transport	Not applicable.	

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Section 15. Other Regulatory Information and Pictograms

Risk phrases R36/37- Irritating to eyes and respiratory system.



Safety phrases S22- Do not breathe dust S25- Avoid contact with eyes S36/39- Wear suitable protective clothing and eye/face protection

Section 16. Other Information

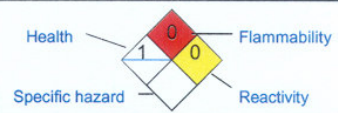
International Regulations Lists No products were found.

Other Special Considerations Not available.

Hazardous Material Information System (U.S.A.)

Health	1
Flammability	0
Reactivity	0
Personal Protection	E

National Fire Protection Association (U.S.A.)



References -SAX, N.I. Dangerous Properties of Industrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.

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Information Contact

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