Safety Data Sheet



SECTION 1: Product an	d company identification
Product name	: Graphite Lubricant
Use of the substance/mixture	: Dry lubricant
Product code Company	: 0336 : Total Solutions P.O. Box 240014 Milwaukee, WI 53224 - USA T 800-743-6417 <u>athea.com</u> Contact:Technical Department
Emergency number	: Chemtrec: 1-800-424-9300
SECTION 2: Hazards ide	entification
2.1. Classification of the su	bstance or mixture
GHS-US classification Flam. Liq. 3 H2 Asp. Tox. 1 H3	

2.2. Label elements	
GHS US labelling Hazard pictograms (GHS US)	
Signal word (GHS US) Hazard statements (GHS US)	GHS02 GHS08 : Danger : Flammable liquid and vapour. May be fatal if swallowed and enters airways.
Precautionary statements (GHS US)	 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof lighting, electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear eye protection, protective clothing, protective gloves. If swallowed: Immediately call a doctor, a POISON CENTER. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Do NOT induce vomiting. In case of fire: Use carbon dioxide (CO2), dry extinguishing powder, foam to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures			
Name	Product identifier	%	GHS-US classification
Hydrotreated Light Alkanes (Solvent)	(CAS-No.) 64742-47-8	65 – 85	Not classified
Alkanes, C14-16 (Solvent)	(CAS-No.) 90622-46-1	7-13	Asp. Tox. 1, H304

Safety Data Sheet

Hydrotreated Heavy Alkanes	(CAS-No.) 64742-52-5	5-10	Carc. 1B, H350	
(Solvent)				

All hazardous chemicals, as determined by 29 CFR 1910.1200 have been listed. A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Rinse mouth with water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.
4.2. Most important symptoms and eff	fects, both acute and delayed
Symptoms/effects	 If you feel unwell, seek medical advice. May cause cancer. May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	 May cause respiratory irritation. Dizziness. Nausea. Feeling of weakness. Headache. Unconsciousness.
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Direct contact with the eyes is likely to be irritating.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. Risk of aspiration pneumonia. Gastrointestinal complaints. Nausea. Cramps. Vomiting.

complaints. Nausca. Oramps. Volniang.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measurements	ures	
5.1. Extinguishing media		
Suitable extinguishing media	: Dry chemical powder. Carbon dioxide. Alcohol-resistant foam.	
5.2. Special hazards arising from the substance or mixture		
Explosion hazard Reactivity	 Vapours may travel long distances along ground before igniting/flashing back to vapour source. Thermal decomposition may produce oxides of carbon and sulfur. Toxic fumes may be released. 	
5.3. Advice for firefighters		
Firefighting instructions	 Exercise caution when fighting any chemical fire. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. 	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.	

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Remove ignition sources. Use special care to avoid static electric charges.	
6.1.1. For non-emergency personnel Protective equipment Emergency procedures	Protective goggles. Gloves. Protective clothing.Evacuate unnecessary personnel. No naked flames or sparks.	
6.1.2. For emergency responders Protective equipment Emergency procedures	Equip cleanup crew with proper protection.Stop leak if safe to do so. Stop release. Ventilate area.	
6.2. Environmental precautions		

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

: Contain released product, collect/pump into suitable containers.

For containment

IONS

Safety Data Sheet

Methods for cleaning up

: This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and sto	prage		
7.1. Precautions for safe handling			
Precautions for safe handling	Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Do not breathe vapours. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Obtain special instructions before use. Remove contaminated clothing immediately.		
Hygiene measures	: Wash thoroughly after handling. Wash contaminated clothing before reuse.		
7.2. Conditions for safe storage, including any incompatibilities			
Technical measures	 Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. 		
Storage conditions	: Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from: sparks, open flames, excessive heat.		
Incompatible products	: Oxidizing agent.		
Incompatible materials	: Sources of ignition.		
Storage area	: Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.		
Special rules on packaging	: Keep only in original container. meet the legal requirements.		

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Alkanes, C14-16 (90622-46-1)

Not applicable

Hydrotreated Heavy Alkanes (64742-52-5)

Not applicable

Hydrotreated Light Alkanes (64742-47-8)

Not applicable

8.2. Exposure controls

Personal protective equipment

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles. Safety glasses.



SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state Appearance Odour	: Liquid : Black,Liquid : solvent odor	
Odour threshold pH Melting point	 No data available No data available No data available No data available 	
Freezing point Boiling point Flash point	 No data available No data available 130 °F Closed Cup 	
Relative evaporation rate (butylacetate=1) Flammability Explosive limits	 No data available No data available No data available 	
Explosive properties Oxidising properties	No data availableNo data available	

:

Safety Data Sheet

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition may produce oxides of carbon and sulfur. Toxic fumes may be released.

10.2. Chemical stability

Flammable liquid and vapour. Heating may cause a fire or explosion.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity	: Not classified	
Alkanes, C14-16 (90622-46-1)		
LD50 oral rat	> 2000 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 Inhalation - Rat	> 5.8 mg/l/4h	
Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure STOT-repeated exposure Aspiration hazard Symptoms/effects after inhalation	 Not classified <	
Symptoms/effects after skin contact	: Contact during a long period may cause light irritation. Repeated exposure may cause skin dryness or cracking.	
Symptoms/effects after eye contact Symptoms/effects after ingestion	 Direct contact with the eyes is likely to be irritating. May be fatal if swallowed and enters airways. Risk of aspiration pneumonia. Gastrointestinal complaints. Nausea. Cramps. Vomiting. 	



Safety Data Sheet



SECTION 12:	Ecological information
12.1. Toxicity	

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Dispose of contents/container to comply with local/regional/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.

SECTION 14: Transport information Department of Transportation (DOT) Transport document description (DOT) : UN1993 Flammable liquids,

Transport document description (DOT) UN-No.(DOT)	: UN1993 Flammable liquids, n.o.s. (Aliphatic Hydrocarbons), 3, III : UN1993
Proper Shipping Name (DOT)	: Flammable liquids, n.o.s.
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	PLANAELE LIQUID
Packing group (DOT)	: III - Minor Danger
DOT Packaging Non Bulk (49 CFR 173.xxx)	•
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Symbols	G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	B1,B52,IB3,T4,TP1,TP29
DOT Packaging Exceptions (49 CFR	150
173.xxx)	
DOT Quantity Limitations Passenger	: 60 L
aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft	: 220 L
only (49 CFR 175.75)	
DOT Vessel Stowage Location	: A
Bor vesser clowage Location	. //
Additional information	
Other information	: When transported by ground in non-bulk containers, this product utilizes the exception found under 49 CFR 173.150. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may be required.

No additional information available Transport by sea No additional information available	
No additional information available	
Air transport	
No additional information available	

SECTION 15: Regulatory information

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.



California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information		
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.	
NFPA health hazard :	2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.	
NFPA fire hazard :	2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.	
NFPA reactivity :	0 - Material that in themselves are normally stable, even under fire conditions.	

Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.