



EQUIPPING THE TYRE INDUSTRY

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002000 PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name: **MOLY GRAPHITED PEN Oil**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	
Classification				
Butane	203-448-7	106-97-8	5-10%	F+; R12
Isobutene	200-857-2	75-28-5	1-5%	F+; R12
Mineral Oil (Refined)	265-155-0	64742-52-5	1-5%	
Propane	200-827-9	74-98-6	10-30%	F+; R12
White Spirit	265-185-4	64742-82-1	30-60%	Xn R65, N;

3. HAZARDS IDENTIFICATION

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

General Information	Move the exposed person to fresh air at once get medical attention if discomfort continues.
Inhalation	Move the exposed person to fresh air at once when breathing is difficult, properly trained personnel may assist the affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention
Ingestion	DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
Skin Contact	Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water whilst lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues,

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.
Special Fire Fighting	Containers close to fire should be removed or cooled with water.
Procedures	Use water to keep fire exposed containers cool and disperse vapours
Unusual Fire and Explosion	Aerosol cans may explode in a fire

6. ACCIDENTAL RELEASE MEASURES

Spill Clean Up Methods	Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.
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7. HANDLING AND STORAGE

Usage Precautions	Keep away from heat, sparks and open flame. Avoid spilling skin and eye contact.. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
Storage Precautions	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Ingredient Name	STD -ppm	LT -mg/m3	s -ppm	ST -mg/m3
Propane		Asphyxiating	Asphyxiating	Asphyxiating
Butane	WEL	600ppm	1450mg/m3	750ppm
Isobutene	WEL	800ppm		800ppm
White Spirit			600mg/m3	
Mineral Oil (Refined)			5mg/m3	10mg/m3
Engineering Measures				Provide adequate general and local exhaust ventilation.
Respiratory Equipment				No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended work exposure limit. Use chemical cartridge protection with appropriate cartridge.
Hand Protection				Use protective gloves.
Eye Protection				Wear approved chemical safety goggles where eye exposure is reasonably probable.
Other Protection				Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene Measures				DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove Clothes that become contaminated. When using do not eat, drink

9. PHYSICAL AND CHEMICAL PROPERTIES Appearance

Aerosol	Colour	Black		
Odour		Characteristic	Solubility	Insoluble in
Water				
Flammability Limit –Lower	0.6%		Flammability Limit –Upper	9.0%

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions.
Conditions to Avoid	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents, strong alkalis, and strong mineral acids.
Hazardous Decomposition	Fire creates: Vapours/gases/fumes of Carbon Monoxide (CO), Carbon
Products	Dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

Inhalation	May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
Skin Contact	Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on the skin. May cause cracking of skin, and eczema.
Eye Contact	Irritating to eyes. May cause chemical eye burns.
Route of Entry	Inhalation. Skin and/or eye contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Dangerous for the environment if discharged into water courses.
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13. DISPOSAL RECOMMENDATIONS

Disposal Methods	Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.
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14. TRANSPORT INFORMATION

Label	Flammable	Uk Road Pack Gr.	N/A
Uk Road Class	2	ADR Class	Class2:
Proper shipping name	Aerosols	ADR Label No	2.1
UN No. Road	1950	RID Class No.	2
ADR Class NO.	2	UN Sea No.	1950
ADR Pack Gr.	N/A	EMS	F-D, S-U
CEPIC TEC(R)20G5f		Marine Pollutant	No
RID Pack Gr.	N/A	Air Class	2.1
IMDG Class	2	UN Air No	1950
MFAG	See Guide	Air Pack Gr.	N//A

15. REGULATORY INFORMATION

Label for Supply	Extremely flammable. Dangerous for the environment.
Risk Phrases	R12: Extremely flammable R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R66: Repeated exposure may cause skin dryness or cracking.
Safety Phrases S16:	Keep away from sources of ignition -No smoking S37: Wear suitable gloves. S51: Use only in well ventilated areas S60: This material and its container must be disposed of as hazardous waste. S2: Keep out of reach of children. S23: Do not breathe vapour/spray.
UK Regulatory	the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. The Control of Substances Hazardous to Health Regulations 2002.
Statutory Instruments	Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.
Approved Code of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS (G) 37. CHIP for everyone HSG (108).

16. OTHER INFORMATION

Risk Phrases in Full	R10: Flammable R12: Extremely flammable R51/53: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R65: Harmful: may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking
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