



MATERIAL SAFETY DATA SHEET

Product Name: GRAPHOKOTE 110S

Page: 1 of 4

This revision issued: September, 2008

Section 1 - Identification of Chemical Product and Company

Osher Blue
11/10 Prosperity Pde.,
Warriewood, NSW 2102

Phone: 02 9997 6900
Fax: 02 9997 6999
Email: admin@osher.com.au

Trade Name: **GRAPHOKOTE 110S**
Product Use: Graphited Dry Film Lubricant
Creation Date: September 2008
Revision Date: September 2013

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Hazardous according to the criteria of NOHSC Australia.

This product is classified as: Dangerous according to the Australian Dangerous Goods (ADG) Code.

Safety Phrases:

S24/25 Avoid contact with skin and eyes

S37/39 Wear suitable gloves and eye/face protection

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

ADG Classification: Dangerous Goods

Flammable liquid: NOS Contains Xylene

Class: 3

Packaging Group: III

UN Number: 1307

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	STEL*	TWA*
Xylene (Mixed xylene isomers)	1330-20-7	>56%%	150ppm, 655mg/m ³	80ppm 350 mg/m ³
Graphite (Carbon)	7782-42-5	< 40%		
Resin solution (alkyd resin)	Proprietary	< 20%		
Surfactants and other ingredients	None hazardous	< 10%		

* STEL means this level should not be exceeded for longer than a 15 minute period per day.

* TWA is taken over an average 8 hour day for a 5 day week.

Section 4 - First Aid Measures

Inhalation Remove to fresh air and keep at rest. Obtain medical attention if concerned. If breathing stops or shows signs of failing, start artificial respiration.

Ingestion Wash mouth out with water. DO NOT induce vomiting. Give a glass of water. Do not give patient anything by mouth if unconscious. Keep patient at rest and contact Doctor. Do not apply mouth to mouth resuscitation if material has been ingested.

Skin Carefully remove contaminated clothing. Wash effected area with soap and water. Apply antiseptic cream to reduce pain. Seek medical advice if concerned. Wash contaminated clothing carefully Eye: Rinse eyes immediately with clean water for at least 15 minutes. Get immediate medical assistance.

Eye	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Remove contact lenses if worn. If irritation develops seek medical attention.
First Aid Facilities	Ensure eyewash and safety shower facilities are available in the workplace.
Advice to Doctor	Treat symptomatically. Show Doctor this MSDS on arrival.

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media	Foam, dry agent, carbon dioxide, sand, water spray.
Specific Methods	Fire fighters should wear full protective gear. Keep people well away. Water spray unopened containers to reduce risk of explosion. Bund area to avoid runoff into streams.
Specific Hazards	Vapor will form explosive mixtures with air. Xylene is heavier than air and may travel with distant ignition possible.
Hazardous Combustion Products	Carbon dioxide and Carbon Monoxide.

Section 6 - Accidental Release Measures

Spills & Disposal	Avoid contact with spilled material or contaminated surfaces. Extinguish or remove all sources of ignition. When dealing with spills do not eat, drink or smoke and wear protective clothing. Remove people and animals. Prevent leaked material from entering drains. Contain spill and absorb with clay, sand or other absorbent material. Collect and store in properly labelled containers for safe removal. If material gets into watercourses, contact local authorities.
------------------------------	---

Section 7 - Handling and Storage

Precautions for Safe Handling	Handling: Keep out of reach of children. Will damage eyes and skin. Avoid inhaling vapours. After each days use, wash clothing.
Conditions for Safe Storage	Store in the closed, original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight. Keep away from excessive heat, open flames and other sources of ignition.
Flammability	. Flammable liquid.

Section 8 - Exposure Controls and Personal Protection

National Exposure Standards	See Section 3 of this MSDS
Eye protection	Wear face shield.
Engineering Controls	Control conditions to avoid contact. Use local ventilation during manufacture and spark proof equipment. Use in well ventilated area.
Respiratory Protection	Avoid breathing spray/mists. No special measures required when used according to directions.
Body Protection	Wear elbow length PVC or nitrile gloves. Wear cotton overalls buttoned to the neck and wrist.
Hygiene Measures:	Do not eat, smoke or drink in manufacturing area. Wash hands well after use.

Section 9 - Physical and Chemical Properties:

Appearance	Black liquid. Aromatic odour.
-------------------	-------------------------------

MATERIAL SAFETY DATA SHEET

Boiling Point	Approx 138°C - 142°C
Melting Point	N/A
Solubility in Water	Nil
Specific Gravity	0.95
pH Value	Not available
Vapour Pressure	1kPa at 20°C (xylene)
Flash Point	>28°C
Flammability	Non-flammable, non-combustible. No specific fire hazards associated with product. No specific ventilation, earthing or flameproofing requirements.
Auto Ignition Temperature	500°C (xylene)
Flammable Limits - Lower	LEL: 1.1
Flammable Limits - Upper	UEL: 6.6 Vol (xylene)

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal use conditions.
Incompatible Materials	Do not mix with strong acids, strong alkalis and oxidising agents..
Hazardous Decomposition Products	CO ₂ and CO
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation	Excessive inhalation may produce transient irritation to mucous membranes. May cause headaches, nausea, dizziness and drowsiness. Could be anaesthetic and may cause other central nervous system effects lasting 24 hours.
Ingestion	Poisonous if swallowed. Symptoms may include burning sensations and numbness in mouth and throat, headache and general pain throughout body. Small amounts aspirated may cause bronchopneumonia or pulmonary oedema.
Skin	Irritating. Contact with skin will cause stinging or burning followed by numbness that may last for 24 hours. May cause defatting that can lead to dermatitis.
Eye	Risk of serious damage to eye.
Chronic Effects	Repeated over-exposure to xylene may cause kidney or liver damage. Xylene is not mutagenic, not carcinogenic and does not impair fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Based upon our hazard characterisation, the potential environmental hazard is: Low
Persistence / Degradability	Bioaccumulation is slight.
Environmental Protection:	Do not contaminate waterways.

MATERIAL SAFETY DATA SHEET

13. DISPOSAL CONSIDERATIONS

Waste Disposal Refer to Waste Management Authority in your state. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

Transport Information This product is classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Storage and Transport

- Shipping Name: Flammable Liquid. NOS Xylene
- Classified as dangerous goods (UN 1866)
- DG Class 3,
- Packaging Group III
- Hazchem 3(Y)
- Marine Pollutant

15. REGULATORY INFORMATION

Regulatory Information Classified as hazardous according to criteria of NOHSC Australia.
Poisons Schedule: S6

16. OTHER INFORMATION

Contact Person/Point Poisons Information Centre (Australia): 13 11 26

Literature References ASCC: Hazardous Substances Information System. Hazard Classification, Risk and Safety Phrases and Exposure Standards information. National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC:2011(2003)] Approved Criteria for Classifying Hazardous Substances, 3rd Edition [NOHSC:1008(2004)] Australian Code for the Transport of Dangerous Goods by Road and Rail. International Maritime Dangerous Goods Code. International Air Transport Association Dangerous Goods Regulations.

Revisions Highlighted Updated information layout to comply with NOHSC 16 header format requirements.

End of MSDS

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

MATERIAL SAFETY DATA SHEET