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MATERIAL SAFETY DATA SHEET

Edition: October 1998

Stopping Out Varnish (Dark)
(TNL 1740 – 1745)

1. Identification

Stopping Out Varnish (Dark)

2. Composition/Information on Ingredients

A solution of bitumen in xylene.

Substance	CAS No	%	Symbol	Risk Phrases
Xylene	1330-20-7	up to 40	Xn Xi	R20/21,R38,R10

3. Hazards Identification

Harmful by inhalation and contact with skin.

4. First-Aid Measures

Remove all contaminated clothing and obtain medical attention.

Eye contact	Flush eye with water or approved eye wash solution for not less than 10 minutes.
Skin contact	Wash with warm soapy water for at least 5 minutes.
Inhalation	Remove to fresh air.

5. Fire-Fighting Measures

Extinguishing media	Use dry powder, foam or water spray. Never use water jet.
Protective equipment for	Standard.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:-P.V.C./Synthetic rubber gloves, goggles/face shield. Helmet, Protective footwear, overalls and barrier creams.
ENVIRONMENTAL PRECAUTIONS:-Should not be allowed to enter sewers and water courses. If this cannot be avoided, the appropriate authorities should be informed.
METHODS FOR CLEANING UP:-Absorb in earth or sand and place in containers for disposal. Shut-off sources of ignition. Ventilate area and wash spill site thoroughly after material pick-up is complete.

7. Handling and Storage

Material should only be handled by trained personnel. Effective ventilation is necessary to prevent build-up of vapour. No smoking or naked flames. Keep containers tightly closed and away from heat

8. Exposure Control and Personal Protection

CONTROL LIMITS:- Xylene-OES 8hr TWA 435 mg/m3
RESPIRATORY PROTECTION:- Relevant to circumstances.
HAND PROTECTION:-P.V.C./Synthetic rubber gloves.
EYE PROTECTION:- Goggles/ face shield.
SKIN PROTECTION:- Helmet, protective footwear, overalls, barrier creams.
GENERAL:- Contaminated clothing should not be worn. Oily rags should not be put in pockets. Under and outer clothing should be changed regularly. Shower or bathe at end of working.

9. Physical and Chemical Properties

Physical form	Viscous liquid
Colour	Dark Brown/Black
Odour	Characteristic
pH of aqueous solution	Not applicable
Boiling point	Not determined
Melting point	Not determined
Viscosity	50 – 60 poise @ 21 °C
Flash point	Approximately 25 °C
Flammability solid/gas	Not determined
Autoflammability	Not determined
Explosive properties	Not determined
Oxidising properties	Not determined
Vapour pressure	Not determined
Density	Approximately 0.9 kg/m³ @ 20 °C
Water solubility	Insoluble
Other solubility	Miscible with most petroleum products.
Bulk density	Not determined
Partition coefficient octanol/water	Not determined

10. Stability and Reactivity

Thermal decomposition	Stable under normal conditions of use. A complex mixture of irritating fumes in fire conditions.
Hazardous reactions	Danger of spontaneous combustion of rags, cloths. Ensure these materials are dealt with properly (see accidental release measures).

11. Toxicological Information

Exposure to high concentrations of vapour for a prolonged period may lead to dizziness, nausea and sickness and could also cause irritation to eyes, skin and respiratory system. Swallowing the concentrated material may cause nausea and discomfort.

12. Ecological Information

Biodegradation	Expected to be slowly but ultimately biodegradable.
Ecotoxicity	Fish (96 hr LC_{50}) Daphnia (48 hr EC_{50}) Algae (72 hr IC_{50})

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13. Disposal Conditions

Disposal should be carried out in compliance with Part 2 of the E.P.A. 1990 regulations. Consult your local waste regula-

14. Transport Information

UN number	1263
IMDG code/class	Class 3
ICAO/IATA (air) class	Class 3
RID/ADR class	Class 3 Item 31(c)
ADNR class	Class 3

15. Regulatory Information

CLASSIFICATION:-	PRIMARY HAZARD:- Xn,
RISK PHRASES:-	R10 Flammable R20/21 Harmful by inhalation and in contact with skin.
LABEL	No symbol
RISK PHRASES:-	R10 Flammable R20/21 Harmful by inhalation and in contact with skin.
SAFETY PHRASES:-	S2 Keep out of reach of children S23 Do not breathe vapour S37 Wear suitable gloves S46 If swallowed, seek medical advice immediately and show this container of label
CAS REGISTRY NO:-	Intentional Mixture
EINECS No:-	Intentional Mixture
EXPOSURE LIMITS:-	Xylene-OES 8hr TWA 435 mg/m3
NATIONAL LEGISLATION:-	The Carriage of Dangerous Goods by Road and Rail (Classification, Packaging and labelling) Regulations, 1994

The Control of Substances Hazardous to Health Regulations S.I. 1657 (1988).

16. Other Information

The information provided on this sheet is based on our knowledge of the product concerned at the date of issue. It is provided in good faith. Users should also bear in mind that risks may arise when a product is put to uses other than those for which it is destined.