



SAFETY DATA SHEET

MPG Sealer

LTP/21

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME: MPG SEALER

PART No.: LTP/21

SUPPLIER: Lionheart Terracotta Products
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS-No	Content	Classification
naphtha(petroleum),hydrodesulphurised heavy (<0.1% benzene)	265-185-4	64742-82-1	60-95%	Xn; R65. N; R51/53. R10,R66
stoddard solvent; low boiling point naphtha-unspecified,<0.1% benzene	232-489-3	8052-41-3	1-5%	Xn; R20/21, R65. R10,R66

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION

Flammable.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking
Harmful: may cause lung damage if swallowed.
CLASSIFICATION: Xn; R65. N; R51/53. R10. R66.

4. FIRST AID MEASURES

GENERAL: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INHALATION: Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content does not get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT: Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

MPG Sealer

LTP/21

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Extinguish with foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use high pressure water jet as this may spread burning material.

SPECIAL FIRE FIGHTING PROCEDURES:

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS:

Fire emits clouds of smoke which may contain toxic vapours, gases and fumes.

PROTECTIVE MEASURES IN FIRE:

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Eliminate all naked flames or other sources of ignition. Do not smoke. Provide adequate ventilation. Clean-up personnel should use respiratory protection, gloves, goggles and protective clothing and footwear.

ENVIRONMENTAL PRECAUTIONS:

Do not allow spilled material to enter drains or water courses.
Cover all drains and sewers. Avoid spreading spilled material.
Contain spillages with sand, earth or suitable absorbent material.
Prevent further spillage if safe to do so.

SPILL CLEANUP METHODS:

Wear necessary protective equipment. Absorb in vermiculite, sand or other absorbent inert material. Place into clearly labelled container for recovery or disposal (see section 13). Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

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:

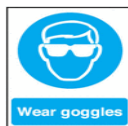
Store in tightly closed original container in a dry, cool and well-ventilated place.
Store away from; Acids. Oxidising material.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

NAME	Std	LT - ppm	LT – mg/m3	ST - ppm	ST –mg/m3
naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene	WEL		1000 mg/m3		

INGREDIENT COMMENTS: WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT:



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is sufficient suitable respiratory protection must be provided. Seek recommendations and advise from manufacturer or supplier.

MPG Sealer

LTP/21

HAND PROTECTION	Avoid prolonged or repeated contact, use suitable protective gloves made of Nitrile. The actual level of protection provided by protective gloves can be difficult to assess. Effective breakthrough times should be used with care and a margin of safety should be applied. HSE guidance recommends a safety factor of 75% be applied to times obtained by laboratory tests. Seek advice from manufacturer or supplier. Personal hygiene is a factor in effective hand care. Gloves should be worn on clean hands. After using gloves hands should be washed and dried thoroughly and a non-perfumed moisturizer applied.
EYE PROTECTION	Wear approved safety goggles.
OTHER PROTECTION	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
HYGIENIC 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 any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Colourless liquid.		
ODOUR:	Hydrocarbon.		
SOLUBILITY:	Insoluble in water	RELATIVE DENSITY:	0.785 15°C
BOILING POINT (°C, interval):	150 - 200°C 760 mm Hg	VISCOSITY:	0.85 cSt 25°C
VAPOUR PRESSURE:	<10 mbar 37.8°C	AUTO IGNITION TEMP:	approx 230°C
FLASH POINT (°C):	>40°C	FLAMMABILITY LIMIT - UPPER(%):	8.0
FLAMMABILITY LIMIT - LOWER(%):	0.6		

10. STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions of storage and use.
CONDITIONS TO AVOID:	Avoid contact with acids and oxidizing substances. Avoid heat, flames and other sources of ignition.
HAZARDOUS POLYMERISATION:	None known.
HAZARDOUS DECOMP. PRODUCTS:	In conditions of fire or excessive heat gives off toxic fumes and gases, including oxides of carbon and nitrogen and various hydrocarbon fragments.

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50:	>2000 mg/kg (oral rat)
TOXICOLOGICAL INFORMATION	Health effects of this preparation have not been determined. Data given refer to major component.
INHALATION:	Exposure to solvent vapours may cause irritation of the throat, respiratory system and mucous membranes and have adverse effects on the kidneys, liver and central nervous system. Symptoms can include headache, dizziness, drowsiness, fatigue, and muscular weakness. In extreme cases resulting in loss of consciousness. Patients should be kept under observation as symptoms may occur well after exposure.
INGESTION:	Liquid irritates mucous membranes and may cause abdominal pain if swallowed. Absorption can cause sleepiness, intoxication and pulmonary oedema.
SKIN CONTACT:	Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation.
EYES CONTACT:	May cause severe irritation to eyes.
TARGET ORGANS:	Skin. Eyes. Respiratory system, lungs.

MPG Sealer

LTP/21



12. ECOLOGICAL INFORMATION

ECOTOXICITY:	Toxic to aquatic organisms. May cause long- term adverse effects in the aquatic environment. This material should not be allowed into drains, sewers or other water courses. LC 50, 96 Hrs, FISH mg/l: 10
MOBILITY:	The product contains substances, which are insoluble in water and which may spread on water surfaces. Contamination will evaporate from the surface of water and soils.
BIOACCUMULATION:	Likely to bioaccumulate, but with a retention time of the order of a week or so.
DEGRADABILITY:	Readily biodegradable.



13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION:	Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed. Empty but unlaundered containers must be treated in the same manner as when full; labels should not be removed.
DISPOSAL METHODS:	Dispose of waste and residues in accordance with local authority requirements. Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

14. TRANSPORT INFORMATION

LABEL FOR CONVEYANCE:		
PROPER SHIPPING NAME :	TURPENTINE SUBSTITUTE (White Spirit)	
UN No. ROAD:	1300	ADR CLASS No.: 3
ADR CLASS:	Class 3: Flammable liquids.	ADR PACK GROUP.: 3.1(c)
HAZARD NO. (ADR)	30	ADR LABEL No.: 3
HAZCHEM CODE:	3Y	CEFIC TEC(R) No: 30G30
RID CLASS NO.	3	RID PACK GROUP 3.1(c)
UN NO. SEA	1300	IMDG CLASS: 3.3
IMDG PAGE No.:	3375	IMDG PACK GR: III
EMS No:	3-07	
UN No, AIR:	1300	AIR CLASS 3
AIR PACK GR:	111	
MARINE POLLUTANT:	Yes.	

15. REGULATORY INFORMATION

LABELLING:		
CONTAINS:	naphtha (petroleum),hydrodesulphurised heavy (<0.1% benzene)	
RISK PHRASES:	R10 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.	

MPG Sealer LTP/21

SAFETY PHRASES: S2 Keep out of the reach of children.
S13 Keep away from food, drink and animal feeding stuffs.
S37 Wear suitable gloves.
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well-ventilated areas
S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

EU DIRECTIVES; EC Regulation 1907/2006 (as amended): 'REACH'
Dangerous Substance Directive 67/548/EEC.
Dangerous Preparations Directive 1999/45/EC

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 No 1689 (CHIP3).
Control of Substances Hazardous to Health Regulations (as amended).(COSHH)
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2007)

APPROVED CODE OF PRACTICE: Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES: Workplace Exposure Limits EH40.
Introduction to Local Exhaust Ventilation.HS(G)37.
CHIP for everyone HSG(108).
The Storage of flammable liquids in containers HSG51 (HSE 1998)

16. OTHER INFORMATION

REV. No./REPL. SDS GENERATED 2

DATE 30/04/2008 replaces version 001 dated 25-03-2007

R-PHRASES IN FULL: R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R-51/53 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.

Disclaimer

This information relates only to specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

March 09
