

MATERIAL SAFETY DATA SHEET

Material: **AQUAMAC BITUGRIT SOLUTION**

Code: L1940 Date of Issue: November 1994 Version:1

1.Preparation and Company Identification

Preparation trade name: **Aquamac Bitugrit Solution**

Company name, address and normal telephone number:-

LAYBOND PRODUCTS LTD Tel: (UK) 01 244 674774
Riverside, Saltney (ABROAD) +44 1244 674774
Chester CH4 8RS, ENGLAND

Emergency telephone number :- As above

2.Composition/Information on Ingredients

CAS Number: Chemical Name:%: Classification:

64742-82-1 White Spirit <30F; R10

64741-56-6 Bitumen >70

Tall Oil Alkyl Amido Amine <1 Xi R38, 41

3. Hazard Identification: - Contains solvent which causes defatting of the skin and, in extreme cases, dermatitis. Possible risk of irreversible effects. (R40)

4.First Aid Measures:-

Inhalation: Remove to fresh air. If discomfort persists seek medical advice.
Skin Contact Remove contamination with proprietary skin cleaner, followed by washing with soap and water. This procedure should also be followed prior to eating, drinking, smoking and toilet functions
Eye Contact: Irrigate immediately with clean water for 15 minutes and obtain medical attention.
Ingestion: If swallowed, seek medical advice immediately. Do not induce vomiting.

5.Fire-Fighting Measures:-

Suitable Extinguishing Media: Dry Powder, CO₂, Foam, Sand, Earth

Unsuitable Extinguishing Media: Never use water jet

Special Exposure Hazards in Fires: None known

Required Special Protective

Equipment for fire fighters: Wear suitable protective clothing

6.Accidental Release Measures:

Precautions: Stem flow of spilled material. Extinguish all naked flames and cigarettes. Material should be mopped up immediately with an inert absorbent material such as sand, earth etc. Prevent spills from entering sewers and drains. Dispose of at an appropriate licensed waste disposal site in accordance with current laws and regulations.

7.Handling and Storage-

Handling: Ensure adequate ventilation

Storage: Should be stored under cover out of direct sunlight and away from sources of heat and ignition

8.Exposure Controls:-

UK Occupational exposure standards EH40
White Spirit 100ppm 575mg/m³ 8HR TWA

Respiratory Protection: Should not be necessary with adequate ventilation. In poorly ventilated areas, a cartridge mask approved for organic vapours is recommended.

Hand Protection: Wear suitable impervious gloves

Skin Protection: Appropriate protective clothing

Eye Protection: Appropriate chemical resistant goggles

9. Physical and Chemical Properties:-

Appearance: Black Liquid **Flammability:** Not applicable
Odour: Petroleum solvent **Autoflammability:** Approx 230°C
pH: Not applicable **Explosive Properties:** UEL 8% Vol LEL 0.9% Vol
Boiling point Oxidising Properties: Not applicable
/boiling point range: Not determined **Vapour Pressure:** Not determined
Melting point/ Relative Density: Approx 0.9
melting point range: Not applicable **Solubility (water and fat)** Insoluble in water
Flashpoint (°C): 40°C - closed cup

10. Stability and Reactivity: Stable under normal conditions. Avoid excessive heat.
Hazardous decomposition products: Carbon dioxide, carbon monoxide, hydrogen sulphide, oxides of nitrogen and sulphur.

11. Toxicological Information: Short term skin exposure may lead to dermatitis. Long term skin exposure may cause irreversible effects.

12. Ecological Information: The preparation has not been tested but, the slow rates of bio degradation of bitumen can cause interference with the normal functioning of ecological cycles. Bitumen should therefore be contained and spills avoided.

13. Disposal Considerations: Disposal of material should be by incineration in accordance with local regulations. Packaging should be similarly disposed of.

14. Transport Information:- IMDG, Page 3382 Liquid Tars Class 3.3 Packaging Group III

15. Regulatory Information:

R10 Flammable
R40 Possible risk of irreversible effects
S16 Keep away from sources of ignition - no smoking
S24 Avoid contact with skin
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.

EEC Symbol Xn Harmful
Contains Bitumen Solvent Blend



16. Other Information:

Uses: Cold Gritting Solution

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information. This information is given in good faith, being based on the latest knowledge available to Laybond Products Ltd. No Known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Laybond Products Limited for further advice before the proposed application is undertaken.

Code: L1940

Date: September 1994 Supersedes

Issue: November 1989
