

Material Safety Data Sheet Solar Reflective Aluminium Paint

1. Identification of the Preparation and Company Chemical Product – Solar Reflective Aluminium Paint

Application – Aluminium / bitumen paint for roofs Company Identification

Marley Waterproofing
Covert Road
Aylesham Industrial Estate
Aylesham
Kent CT3 3EQ

Telephone Number 0844 412 7207

2. Composition/Information on Ingredients Chemical Description

Blend of hydrocarbon solvents, bitumen and aluminium pigments

Hazardous Ingredients

Chemical	White Spirit
Risk Phrase	R10-65-66
CAS No.	64742-48-9
% Weight	30%<C<=40%

Chemical	Aluminium pigment in hydrocarbon solvent
Risk Phrase	R52/53
CAS No.	-
% Weight	10%<C<=20%

3. Hazards Identification of the Preparation

Vapour /air mixture is flammable.
Repeated or prolonged exposure may cause: headache, skin irritation and irritation of mucous membranes.

4. First Aid Measures

General advice

In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air. Keep the patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth.

Skin Contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or with a proprietary skin cleaner. Do not use solvents or thinners.

Eye Contact

Contact lenses should be removed. Irrigate copiously with clean water for at least 10 minutes, holding the eyelids apart, and obtain medical attention.

Ingestion

If swallowed, obtain immediate medical attention. Keep at rest. Do not induce vomiting.

5. Fire Fighting Extinguisher Media

Dry powder, carbon dioxide (CO₂), alcohol resistant foam, water spray. Do not use water jets.

Specific Methods

Cool closed containers exposed to fire with water spray. Do not allow run off from fire fighting to enter drains or water courses.

Specific Fire Hazards

Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required

Specific Protective Equipment for Fire Fighters

Use self-contained breathing apparatus and a protective suit.

6. Accidental Release Measures

Personal Precautions

Exclude all sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in 7 and 8.

Environmental Precautions

Do not allow to enter drains or watercourses. If the product enters drains or sewers contact the local water company. In the case of contamination of water courses contact the EPA.

Cleaning Up

Contain and clear up immediately with an inert absorbent material, such as sand, earth etc. Place in a suitable container for disposal in accordance with waste regulations - see 13. Clean preferably with detergent; avoid the use of solvents.

7. Handling and Storage

Handling

Precautions

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid concentrations higher than the workplace exposure limits. Prohibit smoking eating and drinking in areas of storage and use.

Technical conditions

Only use in areas from which naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Safe handling advice

Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Never use pressure to empty the container. Always keep in containers made of the same material as the supply container.

Storage

Precautions

Observe the label precautions. No smoking. Prevent unauthorised access.

Storage conditions

Store at temperatures between 5 and 30°C. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Packaging/tank material

Made of the same material as the supply container

8. Exposure Controls/Personal Protection Occupational Exposure Limits

Chemical: Hydrocarbon solvents (white spirit)
WEL 8hr 100ppm (estimated)

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

Personal Protection

Respiratory protection

Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit breathing apparatus with filter A2.

Hand protection

Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred. When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. nitrile rubber gloves, neoprene gloves, Latex gloves.

Skin and body protection

Wear suitable protective clothing.

Eye protection

Eye protection designed to protect against liquid splashes should be worn.

Hygiene measure

Do not eat, drink, or smoke during work.

9. Physical and Chemical Properties

Appearance	Silver coloured viscous liquid
Odour	Aliphatic like
Boiling Range	Not determined
Flash Point	32°C
Relative Density	1
Viscosity	1.08
Explosion Limits	0.73% - 8.0%(V/V)
Solubility in water	Immiscible
Fat solubility	partly soluble
Solvent solubility	partly soluble

10. Stability and Reactivity

Stability – Stable under the recommended storage and handling conditions. (See Section 7)

Hazardous Decomposition products – Smoke, carbon dioxide and carbon monoxide may be released during prolonged heating

11. Toxicological Information

General information

There is no data available on the product itself.

Acute toxicity

-Inhalation: High concentration may cause: suffocation, headache, irritation of mucous membranes and dizziness.

-Skin contact: Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

-Eyes contact: Splashes in the eyes may cause irritation and reversible local damage.

-Ingestion: There is no data available on the product itself.

12. Ecological Information

General information

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

Environmental toxicity

There is no data available on the product itself.

13. Disposal Considerations

Waste / unused products: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Contaminated packaging: Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. Transport Information

General information:

Transport followed ADR, IMDG, IATA UN number 1268

Land (Road / Railway: ADR/RID)

- Proper shipping name: PETROLEUM PRODUCTS, N.O.S. (aliphatical white spirit)

- Hazard class: 3

- Packing group: III

- ADR/RID-Labels: 3

- Code danger: 30

- Classification code: F1

- Packing instructions: P001-IBC03-LP01-R001 MP19 LQ7-E1

Sea (IMDG)

- Proper shipping name: PETROLEUM PRODUCTS, NOS

- Class: 3

- Packaging group: III

- IMDG-Label(s): 3

- Packing instructions: P001 - PP1 - LP01 - IBC03

15. Regulatory Information

Labeling: According to European directives on classification, packaging and labeling of dangerous substances

EC number:
Not applicable.

Symbol(s):
None according to EC directives.

R-phrase(s):
10 Flammable.
66 Repeated exposure may cause skin dryness or cracking

S-phrase(s):
2 Keep out of the reach of children.

Further information:
VOC limit value (cat A/i) 600 g/L 2007; 500 g/L 2010
Product contains 300 g/L.

16. Other Information

According legislation: Information in this safety data sheet is in compliance with national laws and CE directives.

Text of R phrases listed in section 2:

R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking
R52 Harmful to aquatic organisms.
R53 May cause long-term adverse effects in the aquatic environment.

Important remarks:

As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Use of the preparation:

Aluminium Reflective Roof Paint

Restrictions: The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.

Version: July 2009