



HMG Coatings (South) Ltd
 Faraday Park
 West Portway Ind Est
 Andover
 Hants
 SP10 3SA
Tel: 01264 356296
Fax: 01264 338123

PRODUCT NAME

Synergy® BLACK BITUMEN PAINT

Material Safety Datasheet

1. Identification of the substance/mixture and of the company/undertaking

Product: Synergy® BLACK BITUMEN PAINT

Limitations of Use: For Industrial and Professional use only.

Product No:

Company: HMG COATINGS SOUTH LTD

Faraday Park
 West Portway Ind Est
 Andover
 Hants
 SP10 3SA

Telephone: 01264 356296

Fax: 01264 338123

Web: www.hmgcoatings.com

2. Hazards identification

Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. CLASSIFICATION (1999/45) N;R51/53. R10, R66, R67.

ENVIRONMENT

The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well.

PHYSICAL AND CHEMICAL HAZARDS

Heating will generate vapours which may form explosive vapour/air mixtures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Product has a defatting effect on skin.

3. Composition/information on ingredients

COMPOSITION: Modified urethane alkyd with carefully selected pigments and organic solvents.

HAZARDOUS COMPONENTS:

Name EC No. CAS No. CONTENT CLASSIFICATION (67/548)

NAPHTHA (PETROLEUM), 265-185-4 64742-82-1 30-60% Xn;R65. N;R51/53. R10,R66,R67.

HYDRODESULFURIZED HEAVY

(* For full text, see Section 15

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

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest EC Directives. This product is a blend of White spirit and Bitumen. The White Spirit used in this product is not classified as a carcinogen under 67/548/EC. Notes H and P applies to the white Spirit used in this product. The benzene content is <0.1%.

4. First aid measures

INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. If respiratory problems, artificial respiration/oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Immediately rinse mouth and provide fresh air. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention.

SKIN CONTACT

Remove affected person from source of contamination. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with 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.



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5. Firefighting measures

EXTINGUISHING MEDIA

Use: Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc. DO NOT use water if avoidable.

SPECIAL FIRE FIGHTING PROCEDURES

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.

UNUSUAL FIRE & EXPLOSION HAZARDS

Fire causes formation of toxic gases.

SPECIFIC HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container

SPILL CLEAN UP METHODS

Keep combustibles away from spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Any residual spillage may be left to dry to a solid state.

7. Handling and storage

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. During application and drying, solvent vapours will be emitted.

USAGE DESCRIPTION

Open containers slowly in order to release any pressure build up that may occur. Apply by brush, dipping or spraying. Keep containers closed when not in use.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Store under well-ventilated conditions at a temperature below 25°C.

STORAGE CLASS

Flammable liquid storage.



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8. Exposure controls/personal protection

| Name | Std | TWA - 8 hrs | STEL - 15 min | Ref |
|---|-----|-----------------------|-----------------------|-----|
| BLACK BITUMEN PAINT | WEL | 600 mg/m ³ | | |
| NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY | WEL | 350 mg/m ³ | 600 mg/m ³ | |

WEL = Workplace Exposure Limit.
 INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Although outdoor use will not normally require any respiratory protection, it is recommended that users who are in contact with the product for long periods use a respirator which conforms to EN141 with a Type A2- P2 filter.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

HAND PROTECTION

Protective gloves and goggles must be used if there is a risk of direct contact or splash.

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Use engineering controls to reduce air contamination to permissible exposure level. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station and safety shower.

HYGIENE MEASURES

Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not eat, drink or smoke.

9. Physical and chemical properties

APPEARANCE Thick Liquid

COLOUR Black

ODOUR Paint like

VOLATILITY DESCRIPTION Volatile.

BOILING POINT (°C) >150

RELATIVE DENSITY 0.90-0.93 20

VAPOUR PRESSURE 2.400 (MM Mercury) 20

EVAPORATION RATE 0.19

VOLATILE BY VOL. (%) 42-45

FLASH POINT (°C) 39 CC (Closed cup).

FLAMMABILITY LIMIT - LOWER(%) 0.6

FLAMMABILITY LIMIT - UPPER(%) 8.0

VOLATILE ORGANIC COMPOUND (VOC) 355g/l

10. Stability and reactivity

STABILITY

No particular stability concerns.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Acids, oxidising.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.



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11. Toxicological information

TOXIC DOSE 1 - LD 50 >5000 (white spirit fraction) mg/kg (oral rat)

INHALATION

When working extensively on big surfaces in small and badly ventilated rooms, vapours may develop in concentrations which may cause headache and irritation of the eyes and the respiratory system.

INGESTION

Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Irritating and may cause redness and pain.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Eyes. Central nervous system. Gastro-intestinal tract. Mucous membranes. Skin.

MEDICAL SYMPTOMS

Irritation of eyes and mucous membranes. Liquid irritates mucous membranes and may cause abdominal pain if swallowed. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

12. Ecological information

ECOTOXICITY

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

MOBILITY

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is insoluble in water and will spread on the water surface.

BIOACCUMULATION

This product contains potentially bio-accumulable substances.

DEGRADABILITY

Based upon data for the white spirit fraction This substance is product is expected to biodegrade slowly.

ACUTE FISH TOXICITY

Toxic to aquatic environment and may cause long term adverse effects.

13. Disposal considerations

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Make sure containers are empty before discarding (explosion risk). Liquid components can be disposed of by incineration. Recover and reclaim or recycle, if practical. Waste material is classified as hazardous waste and should be disposed of by incineration or collected by a registered waste disposal company, operating within the scope of the Hazardous waste Regulations 2005 in the UK or local equivalent regulations in other countries.



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14. Transport information



UK ROAD CLASS 3
PROPER SHIPPING NAME TARS, LIQUID
UN NO. ROAD 1999
UK ROAD PACK GR. III
ADR CLASS NO. 3
ADR CLASS Class 3: Flammable liquids.
ADR PACK GROUP III
TUNNEL RESTRICTION CODE (D/E)
HAZARD No. (ADR) 30
ADR LABEL NO. 3
RID CLASS NO. 3
RID PACK GROUP III
UN NO. SEA 1999
IMDG CLASS 3
IMDG PAGE NO. 3
IMDG PACK GR. III
EMS F-E, S-E
MFAG See Guide
UN NO. AIR 1999
MARINE POLLUTANT



AIR CLASS 3
AIR PACK GR. III



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15. Regulatory information (Supply and Labelling)

LABELLING

Dangerous for the Environment

RISK PHRASES

R10 Flammable.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2 Keep out of the reach of children.

S23 Do not breathe vapour/spray.

S25 Avoid contact with eyes.

S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

S37/39 Wear suitable gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

S51 Use only in well-ventilated areas.

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations. Article 4 of Directive 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in paints and varnishes indicates that products set out in Annex I must carry a label indicating:

The sub category of the product and the relevant VOC limit value in g/l as referred to in annex II; the maximum content of VOC in g/l of the product in a ready to use condition.

ENVIRONMENTAL LISTING

Control of Pollution Act 1974.

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007) Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

16. Other information

GENERAL INFORMATION

When surfaces are to be prepared for painting account must be taken of the age of the property and the possibility that lead may be present. As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the formation of lead dust. EU limit value for this product (catA/i) is 600g/l 2007 and 500g/l 2010. this product contains max 355g/l VOC.

REVISION DATE 28/04/2010

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

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.

R67 Vapours may cause drowsiness and dizziness.



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17. Revision Details

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