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

Identification of the substance or preparation

Product name or Trade name : Sika Blackseal Primer

Use of the substance/preparation : Solvent Based Bituminous Paint product for Construction and Industry

Company/undertaking identification

Manufacturer/Distributor : Sika South Africa (Pty) Ltd.
9 Hocking Place
Westmead, 3608
South Africa

Telephone no. : +27 (0)31 792 6500
Fax no. : +27 (0)31 700 1760
e-mail address of person responsible for this SDS : headoffice@za.sika.com

Emergency telephone number : +27 (0)31 792 6500

2. HAZARDS IDENTIFICATION

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : R10 S43A

Human health hazards : Harmful: Repeated exposure may cause skin dryness or cracking.

See section 11 for more detailed information on health effects and symptoms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family/Characteristics : Chemical product for Construction and Industry.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS number</th>
<th>%</th>
<th>EC number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Spirits (WS3) Xn</td>
<td>64742-88-7</td>
<td>&gt;10</td>
<td>649-405-00-X</td>
<td>Xn; OEL 575mg R10 S43A</td>
</tr>
<tr>
<td>OEL 100ppm STOEL 720mg STOEL125ppm RL</td>
<td>649-424-00-3</td>
<td>&lt;10</td>
<td>649-424-00-3</td>
<td>Xn OEL 25ppm SUG</td>
</tr>
<tr>
<td>Solvent NAP(Petro) Heavy Arom (ARO2)</td>
<td>(CL/RL = Controlled/Recommended level 'S' = Skin annotation)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Occupational exposure limits, if available, are listed in section 8.

SAPMA: Health Rating : 3-Slight - Irritation or minor reversible injury possible.
Inhalation : Irritating, narcotic. Can effect CNS.
Skin: Irritating, risk of dermatitis.
Eyes: Irritating.
Ingestion: Harmful. May cause lung damage if swallowed.
No Carcinogenic, mutagenic or genetic effects established.
May have short term environmental effects. Contain, Monitor and remove.

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4. FIRST AID MEASURES

First aid measures

Inhalation : Move to fresh air. In case of discomfort seek medical attention.

Ingestion : DO NOT INDUCE VOMITING. Seek immediate medical attention.

Skin contact : Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Notes to physician : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See section 11 for more detailed information on health effects and symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : Use dry chemical, CO₂, water spray (fog) or foam.

Not suitable : Do not use water jet.

Special exposure hazards : Combustible liquid. Flammable with toxic fumes. Explosive vapour/air mixture. Container may burst, with the risk of a subsequent explosion. Static discharge hazard!

Hazardous combustion products : No specific data.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES - see also sections 5, 8 & 13

Personal precautions : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment.

Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.

7. HANDLING AND STORAGE

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and
7. HANDLING AND STORAGE

Can be hazardous.

Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Packaging materials

Recommended: Use original container.

8. EXPOSURE CONTROLS/PERSERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Occupational exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEL Type: Mixture-Mixture - See section 2</td>
<td></td>
</tr>
</tbody>
</table>

- Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

- Occupational exposure controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

- Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

- Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

- Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: Butyl rubber/nitrile rubber gloves.

- Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

- Skin protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

- Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
9. PHYSICAL AND CHEMICAL PROPERTIES

General information
Appearance
Form: Liquid.
Color: Black.
Odor: Characteristic.

Important health, safety and environmental information
Boiling point: >35°C
Flash point: Closed cup: >23°C
Solubility: Insoluble in Water
Soluble in Oil
Vapor pressure: To be established
SG: 0.900Kg/L
Viscosity: Approx 28 mPa.s

10. STABILITY AND REACTIVITY

Stability: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Condition to avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not swallow. Could generate static - USE EARTHING.
Materials to avoid: Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Potential acute health effects
Inhalation: May cause irritation.
Ingestion: Aspiration hazard if swallowed. Can enter lungs and cause damage.
Skin contact: Defatting to the skin. May cause skin dryness and irritation.
Eye contact: May cause eye irritation.
Chronic effects: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. No carcinogenic, mutagenic or genetic effects established. LD50 Oral: t.b.e

12. ECOLOGICAL INFORMATION

Environmental effects: Avoid contact of spilled material and runoff with soil and surface waterways. Do not empty into drains; dispose of this material and its container in a safe way.

13. DISPOSAL CONSIDERATIONS

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
European waste catalogue (EWC): 14 06 03* other solvents and solvent mixtures

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13. DISPOSAL CONSIDERATIONS

Packaging: Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

14. TRANSPORT INFORMATION

International transport regulations


15. REGULATORY INFORMATION

EU regulations
Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Hazard symbols or symbols: Xn Contains White Spirits (WS3). EC Classification: - R10 S43A Harmful
Risk phrases: R10 - Flammable.
S43A - In case of fire, use water fog, foam or powder - Do not use water jets!

16. OTHER INFORMATION

Full text of classifications referred to in sections 2 and 3: R10- Flammable
S43A- In case of fire, use water fog, foam or powder - Do not use water jets.

Full text of classifications referred to in sections 2 and 3: Xn - Harmful

Take precautionary measures against static discharges. In case of any discomfort seek medical advice.

History
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Date of issue: 15.09.2009.
Date of previous issue: No previous validation.

Notice to reader
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The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to any use and processing.

This MSDS conforms with General Administrative Regulations of 6 Sept. 1996 (ISO-11014/ANSIZ400.1.1996)
OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug. 1995 (EH-42)