

### **1. Identification Of The Substance / Preparation And Of The Company:**

1.1 Trade Name:	<b>Instant Set Spray Grade</b>
1.2 Application Of The Preparation:	Protective waterproofing membrane
1.3 Supplier:	Liquid Rubber Sales LTD Prees Green Nr. Whitchurch Shropshire SY13 2BN
1.4 Contact Tel. No.	01948 841877

### **2. Composition / Information On Ingredients:**

2.1 Description:	Water suspension of petroleum derived hydrocarbons (polymer modified emulsified asphalt) and inert fillers.
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### **3. Hazardous Identification:**

3.1 Hazards:	This product is not classified as dangerous according to EU directive 199/45/EU
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### **4. First Aid Measures:**

4.1 After Skin Contact:	This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or edible oil, then wash with soap and water. If irritation persists seek medical attention.
4.2 After Eye Contact:	Flush thoroughly with fresh water for at least ten minutes. Seek medical attention.
4.3 After Swallowing: <b>DO NOT INGEST</b>	DO NOT INDUCE VOMITING. Seek medical attention.
4.4 Note To Physician:	No attempt should be made to remove firmly adhering bitumen from the skin. Once the bitumen has cooled, it will do no further harm and in fact provides a sterile covering over a burnt area. As healing takes place, the bitumen plaque will detach itself, usually after a few days. If solvent treatment is used, it should be followed by washing with soap and water, then the application of a proprietary re-fatting agent or skin cleansing cream. Only medically approved solvents may be used to remove bitumen from burns, as other solvents could cause further skin damage.

## **5. Fire Fighting Measures:**

5.1 Hazards:	Not explosive. Not auto – flammable. Not flammable. The product itself will not burn. If anything the packaging may be involved in a fire.
5.2 Extinguishing Agent:	Use CO2, dry chemical powders or alcohol resistant foam. If water is used, contain any run-off.

## **6. Accidental Release Measures:**

6.1 Environmental Protection:	Avoid spillage into sewers or surface water.
6.2 Measures For Cleaning/Collecting:	<b>Large spills:</b> Pump into plastic containers and rework/dispose as per local legislation. <b>Small spills:</b> Use non-combustible absorbent and shovel into a suitable container for disposal.

## **7. Handling And Storage:**

7.1 Handling:	Ensure good ventilation when using in confined areas.
7.2 Storage:	Store in a cool dry place.
7.3 Training:	This product does not require any special training before use.

## **8. Exposure Controls / Personal Protection:**

8.1 Hygienic Measures:	Not hazardous in normal use. Avoid contact with eyes and skin.
8.2 Personal Protective Equipment (PPE):	<b>Eye protection:</b> Safety glasses or splash goggles. <b>Body protection:</b> Long sleeves and loose clothing.

## **9. Physical And Chemical Properties:**

9.1 Form:	Liquid
9.2 Colour:	Brown
9.3 Odour:	Slight resinous petroleum odour
9.4 Odour Threshold:	NA
9.5 Coefficient Of Water/Oil Distribution.	N/A
9.6 Change In Condition:	Boiling Point: 100°C (water) Freezing Point: 0°C
9.7 PH:	7-13
9.8 Specific Gravity:	1.00 (approx.)
9.9 Vapour Pressure:	(mm Hg) 17 @ 20°C (water)
9.10 Vapour Density:	>1 (air=1)
9.11 Evaporation Rate:	<1 (nBuAcetate=1)
9.12 Volatiles %:	30-60 (water)
9.13 Solubility In Water:	Partially soluble

## 10. Stability And Reactivity:

10.1 Stability:	Stable under normal conditions
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## 11. Toxicological Information:

11.1 Primary Irritant Effects:	<b>On the eye:</b> Slightly irritating to eyes. <b>On the skin:</b> Slightly irritating to skin. <b>Chronic toxicity:</b> Repeated exposure to low levels will <b>not</b> cause adverse effects. <b>Contact sensitization:</b> Does not provoke a sensitization reaction.
11.2 Additional Info:	Not actually toxic. After ingestion it may cause vomiting. If large quantities are ingested, treat symptomatically. <b>Do not induce vomiting.</b> If irritant effects are seen, these will be mild to moderate, depending on exposure. If in contact with eyes flushing with water is recommended.

## 12. Ecological Information:

12.1 General Notes:	The product is not considered harmful to Aquatic organisms nor to cause long-term adverse effects in the environment. The surfactants used in the product are biodegradable in line with the requirements of EU directives 73/404/EEC and 73/405/EEC and their subsequent amendments.
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## 13. Disposal Considerations:

13.1 Recommendations:	Observe safe handling precautions and local legislation. May go to land fill.
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## 14. Transportation Information:

14.1 Regulations:	<ul style="list-style-type: none"><li>• Not subject to ADR/IATA/IMDG codes.</li><li>• Not subject to the controlled products or the transportation of dangerous goods regulations.</li></ul>
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## 15. Regulatory Information:

15.1 Labelling according to EU guidelines:	This product is not classified as dangerous according to EU Directive 1999/45/EC and national laws.
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## 16. Other Information:

16.1 Liability:	<p>The information provided is offered in good faith and is based on our current knowledge without guarantee of accuracy. We do not accept responsibility for damage and claims arising from handling, transport, storage or disposal of the product. The information on this data sheet applies only to the product named above.</p> <p>This does not constitute a guarantee or warranty for any specific product feature and shall not establish a legally contractual relationship.</p>
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Supplier:	Liquid Rubber Sales LTD Prees Green Nr. Whitchurch Shropshire SY13 2BN  Tel. 01948 841877  E-mail: <a href="mailto:info@liquidrubber.co.uk">info@liquidrubber.co.uk</a>
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**THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCTS OR THE  
TRANSPORTATION OF DANGEROUS GOODS REGULATION**

**1. Material identification:**

1.1 Trade Name:	<b>Instant Set Spray Grade</b>
1.2 Chemical family:	Water suspension of petroleum derived hydrocarbons (polymer modified emulsified asphalt) and inert fillers.
1.3 Material Use:	Protective waterproof coating
1.4 T.D.G. Classification:	NON REGULATED
1.5 WHIMIS Classification:	NON REGULATED

**2. Hazardous Ingredients:**

COMPONENT	CAS#	% (BY MASS)	LC50 (pmm) (rat inhal)	LD50 (mg/kg) (rat oral)
Complex mixture of bitumens	N/A	40-70	N/A	N/A
Anionic surfactants	N/A	0.5-2.0	N/A	N/A
Water	7732-18-5	30-60	N/A	N/A
Polymer dispersion	N/A	5-25	N/A	N/A

### **3. Physical Properties:**

3.1 Form:	Liquid
3.2 Colour:	Brown
3.3 Odour:	Slight resinous petroleum odour
3.4 Odour Threshold:	NA
3.5 Coefficient of water/oil distribution:	N/A
3.6 Boiling Point:	100°C (water)
3.7 Freezing Point:	0°C
3.8 PH:	7-13
3.9 Specific Gravity:	1.0 (approx.)
3.10 Vapour Pressure:	(mm Hg) 17 @ 20°C (water)
3.11 Vapour Density:	>1 (air=1)
3.12 Evaporation Rate:	<1 (nBuAcetate=1)
3.13 Volatiles %:	30-60 (water)
3.14 Solubility In Water:	Partially soluble

### **4. Fire & Explosion Data:**

4.1 Means Of Extinction:	Not explosive. Not auto – flammable. Not flammable.
4.2 Sensitivity To Mechanical Impact/Static Discharge:	N/A
4.3 Flash Point (method):	N/A (non-combustible)
4.4 Upper Flammable Limits %:	N/A
4.5 Lower Flammable Limits%:	N/A
4.6 Auto Ignition Temperature:	N/A
4.7 Fire Fighting Instructions:	Use CO2, dry chemical powders or alcohol resistant foam. If water is used, contain any run-off.
4.8 Fire % Explosion Hazards:	Liquid Rubber is a non combustible Liquid and will not burn, but may splatter if the Liquid is heated above its boiling point. Avoid heating above 200 degrees centigrade / 392 degrees Fahrenheit.

## **5. Reactivity Data:**

5.1 Chemical Stability:	Stable
5.2 Incompatible Materials:	Will react with alkaline sensitive materials such as acids and certain metals. Contact with reactive metals such as aluminium or magnesium will result in the formation of explosive hydrogen gas.
5.3 Hazardous Decomposition Products:	Avoid heating above 200°C. At elevated temperatures hazardous vapours can be released, including carbon monoxide, hydrogen chloride, organic acids and aldehydes.
5.4 Hazardous Polymerization:	Will not occur.

## **6. Health Information:**

6.1 Exposure Limit:	N/A
6.2 Inhalation:	N/A
6.3 Skin:	Adhesion
6.4 Eyes:	Adhesion & irritation
6.5 Ingestion:	Blockage of digestive system and/or respiratory tract.
6.6 Chronic Effects:	N/A

## **7. Emergency And First Aid Procedures:**

7.1 Inhalation:	N/A
7.2 Skin:	This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or edible oil, then wash with soap and water. If irritation persists seek medical attention.
7.3 Eyes:	Flush thoroughly with fresh water for at least ten minutes. Seek medical attention.
7.4 Ingestion:	DO NOT INDUCE VOMITING. Seek medical attention.

## **8. Spill Procedures:**

8.1 In The Event Of A Spill:	Dyke and contain, transfer to container for recovery or disposal. Keep out of sewers and surface water.
8.2 Disposal Methods:	Follow federal, provincial and local regulations regarding disposal.

## **9. Special Procedures:**

9.1 Respiratory Protection:	N/A
9.2 Ventilation:	N/A
9.3 Protective Gloves:	Recommended
9.4: Eye Protection:	Safety glasses or splash goggles recommended
9.5 Other protection:	Long sleeves and loose clothing recommended

## **10. Special Precautions:**

10.1 Storage & Handling Conditions:	Keep container tightly closed when not in use. Keep from freezing.
10.2 Special Shipping Info:	Not regulated by the Transportation of Dangerous Goods Regulations
10.3 Prepared By:	Liquid Rubber Sales LTD
10.4 Prepared On:	28 <sup>th</sup> Sept 2004

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**PLEASE READ MATERIAL SAFETY DATA SHEET AND COSHH DATA SHEET BEFORE USING**

For full COSHH & Material Safety Data Sheets see your Liquid Rubber specialist or visit [liquidrubber.co.uk](http://liquidrubber.co.uk)

## **1. Uses:**

Instant Set is a cold applied waterproofing membrane for surface protection. Instant Set can be applied over a wide range of surfaces including roofing, concrete foundations, basements, retaining walls, car parking decks, planters, valleys & guttering plus many more. It will cover many substrates including timber, concrete, metal, asphalt, asbestos and brick.

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| 2.1 | All surfaces should be dry and free from dust, grease and other debris. Any loose debris should be swept away; surfaces pressure washed and allowed to dry. |
| 2.2 | All surfaces should be structurally sound and stable before application.  |
| 2.3 | Use Trowel Grade to fill smaller gaps (above 3mm). For best results build up in thin layers and allowed to fully dry and cure.                              |
| 2.4 | Use GeoTextile Textile to cover joints, large gaps, pipe work, 90° angles and other details.  |

## **2. Preparation:**

## **3. Application:**

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| 3.1 | <b>Do not</b> apply to wet or frozen surfaces, during or immediately prior to heavy rain.            |
| 3.2 | Apply the dual component system with the appropriate specially designed spay machine.                |
| 3.3 | Apply at an ambient temperature (above 5°C)  |
| 3.4 | Apply an even 2mm covering over the prepared surface.  |
| 3.5 | Cures to touch in about one minute (at 20°C) and is largely cured within 48 hours.                   |
| 3.6 | Protection boards or insulation may be applied to surfaces after an initial cure time of 30 minutes. |
| 3.7 | After preparation it is possible to cover areas greater than 1000 square metres per day.             |

## **4. Storage And Handling:**

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| 4.1 | Store above 5°C in a cool dry place with containers tightly fastened.                        |
| 4.2 | <b>Do not</b> allow uncured material to freeze.  |
| 4.3 | Although Instant Set is non-combustible we recommend you avoid temperatures above 200°C      |
| 4.4 | Not subject to the controlled products or the transportation of dangerous goods regulations. |



4.5	Keep out of reach of children.
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## 5. Spillage & Clean Up:

5.1	<p><b>Large spills:</b> Pump into plastic containers and rework/dispose as per local legislation.</p> <p><b>Small spills:</b> Use non-combustible absorbent and shovel into a suitable container for disposal.</p> <p><b>Alternatively:</b> Should spillage occur pour an equivalent amount of salt solution (ratio 12:1) onto the spillage and scrape up the combined set products.</p>
5.2	For general clean-ups, white spirits is recommended. For personal clean up of your hands/face, baby oil is recommended.

## 6. Limitations:

6.1	Drying and curing time will vary depending on temperature and humidity.
6.2	Instant Set is mildly alkaline. When applying observe normal health and safety precautions.
6.3	Wear eye protection and other suitable personal protective equipment (PPE).
6.4	For further information refer to the COSHH and MSDS data sheets.

Instant Set is manufactured exclusively for Liquid Rubber Sales LTD

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**Instant Set** is a state of the art modified elastomeric asphalt emulsion developed to simplify the waterproofing process and overcome the problems of materials containing toxic solvents and VOC. It has been specifically formulated as a spray applied fully protective waterproofing membrane. The cold applied, dual component system is applied using a specialist airless spray system. Instant Set provides a quick setting membrane that offers excellent strength, elasticity and adhesion.

Instant Set is a waterproof adhesive and so fully bonds to most substrates. The specified thickness sets almost immediately and offers a seamless, flexible and watertight membrane with low environmental impact.

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**SOLVENT FREE    NON TOXIC    ODOURLESS    NOT FLAMMABLE**

## 1. Physical Properties – Liquid Form:

Property	Typical results
Specific gravity (liquid) kg/m <sup>3</sup> :	Approx. 1.0
Odour:	None
VOC:	Contains no solvents
Colour:	Brown
% solids: (wt)	57 - 62
Viscosity, SSF @ 25°C (seconds)	15 - 20
pH:	10 - 12

## 2. Performance – Cured Membrane Form:

Property	Typical Form
Chemical resistance: Chemical resistance ASTM G20 10% hydrochloric acid 10% sodium hydroxide saturated lime water:	Resistant to atmospheric, chemical aerosols, or acid rain. Limited resistance to gasoline, diesel fuel and other petroleum products (see chemical resistance chart) Passed (no loss of integrity)
Biological resistance ASTM E154, ASTM D412:	Passed
Impact resistance CSB37-GP-56 @ 23°C (j):	>19
Impact resistance CSB37-GP-56 @ -10°C (j):	>27
Water tightness after impact:	Passed (no leakage)
Specific gravity g/cm <sup>3</sup> :	Approx. 1.0
Tensile strength ASTM D412 (p.s.i):	>22
Adhesion to concrete strength ASTM C907: (amended to tensile adhesion (p.s.i))	>50
Low temperature mandrel @ -25°C	Passed
Crack bridging ASTM C836, un-aged -20°C	Passed (70 cycles)
Crack bridging ASTM C836, aged E20°C	Passed (10 cycles)
Puncture resistance CGSB 37-GP-56: (24 hours @ 29N @ -5°C)	Passed (no perforations)
Water vapour transmission ASTM E96, ng/Pa.sm <sup>2</sup>	>6.6
Water absorption CGSB37 – GP-56M, %inc	>2
Accelerated weathering ASTM G155: D412 tensile strength:	Passed
Hardness (durometer type 00)	78-80
Canadian Construction Materials Centre	Approved (13175)
Colour	Black