SAFETY DATA SHEET
UNIVERSAL® STAIN BLOCK PRIMER

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

PRODUCT NAME: UNIVERSAL® STAIN BLOCK PRIMER
PRODUCT NO.: RO0030002
APPLICATION: A brush-/ roller-/ spray-applied single-component, solvent-borne coating. Intended for use as a primer/coating for stained walls and ceilings.
SUPPLIER: Rust-Oleum Corporation
Portobello Industrial Estate
Birtley
County Durham
DH3 2RE
+44 (0)191 4106611
+44 (0)1914920125
CONTACT PERSON: ian.mccormack@tor-coatings.com
EMERGENCY TELEPHONE: +44 207 858 1228 (24-7)

2 HAZARDS IDENTIFICATION

Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.


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.

PHYSICAL AND CHEMICAL HAZARDS
The product is flammable. 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. Risk of serious damage to eyes. Vapours/aerosol spray may irritate the respiratory system. Repeated exposure may cause skin dryness or cracking. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content %</th>
<th>Classification (67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,4-TRIMETHYL BENZENE</td>
<td>202-436-9</td>
<td>95-63-6</td>
<td>1.0-2.5%</td>
<td>R10 Xn; R20 Xi; R36/37/38 N; R51/53</td>
</tr>
<tr>
<td>Solvent Naptha Light Aromatic</td>
<td>265-199-0</td>
<td>64742-95-6</td>
<td>1.0-2.5%</td>
<td>Xn; R65. X; R37. N; R51/53. R10, R66.</td>
</tr>
<tr>
<td>MonoPropylene Glycol</td>
<td>200-338-0</td>
<td>57-55-6</td>
<td>&lt; 1%</td>
<td>-</td>
</tr>
<tr>
<td>XYLENE</td>
<td>215-535-7</td>
<td>1330-20-7</td>
<td>&lt; 1%</td>
<td>R10 Xn; R20/21 X; R38</td>
</tr>
<tr>
<td>ISO-BUTANOL</td>
<td>201-148-0</td>
<td>78-83-1</td>
<td>&lt; 1%</td>
<td>R10 X; R37/38, R41 R67</td>
</tr>
<tr>
<td>ETHYL METHYL KETOXIME</td>
<td>202-496-6</td>
<td>96-29-7</td>
<td>&lt; 1%</td>
<td>Carc. Cat. 3, R40 Xn; R21 R43 X; R41</td>
</tr>
<tr>
<td>Naptha (Petroleum) Hydrotreated Heavy</td>
<td>265-150-3</td>
<td>64742-48-9</td>
<td>&lt; 1%</td>
<td>Xn; R65. R10, R67.</td>
</tr>
<tr>
<td>Cobalt neodecanoate</td>
<td>248-373-0</td>
<td>27253-31-2</td>
<td>&lt; 1%</td>
<td>Xn; R22. X; R38. N; R51/53. R43.</td>
</tr>
</tbody>
</table>

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

4 FIRST-AID MEASURES

GENERAL INFORMATION
General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

INHALATION
Move into fresh air and keep at rest. Place unconscious person on the side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION
Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.
SKIN CONTACT
Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

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. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

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. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS
Fire causes formation of toxic gases.

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.

SPILL CLEAN UP METHODS
Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

STORAGE PRECAUTIONS
Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

STORAGE CLASS
Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSOAL PROTECTION

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO-BUTANOL</td>
<td>WEL</td>
<td>50 ppm</td>
<td>154 mg/m3</td>
<td>75 ppm</td>
</tr>
<tr>
<td>MonoPropylene Glycol</td>
<td>WEL</td>
<td>150 ppm</td>
<td>474 mg/m3</td>
<td></td>
</tr>
<tr>
<td>Naphtha (Petroleum) Hydrodesulphurized Heavy</td>
<td>WEL</td>
<td>600 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha (Petroleum) Hydrotreated Heavy</td>
<td>OES</td>
<td>1000 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XYLINE</td>
<td>WEL</td>
<td>50 ppm(Sk)</td>
<td>220 mg/m3(Sk)</td>
<td>100 ppm(Sk)</td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.
Sk = Can be absorbed through skin.

INGREDIENT COMMENTS
WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT

PROCESS CONDITIONS
Provide eyewash station.
UNIVERSAL® STAIN BLOCK PRIMER

ENGINEERING MEASURES
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT
Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION
For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

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

OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES
DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>APPEARANCE</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR</td>
<td>White / off-white.</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Characteristic. Hydrocarbon.</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Immiscible with water</td>
</tr>
<tr>
<td>RELATIVE DENSITY</td>
<td>1.47 Approx. @20°C.</td>
</tr>
<tr>
<td>VAPOUR DENSITY (air=1)</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>FLASH POINT (°C)</td>
<td>37°C. CC (Closed cup).</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - LOWER(%)</td>
<td>0.6</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - UPPER(%)</td>
<td>8.0</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUND (VOC)</td>
<td>Cat A/g : &lt;350 g/l (EU Limit 350 g/l)</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

STABILITY
No particular stability concerns.

CONDITIONS TO AVOID
Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

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

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION
Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION
In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Gas or vapour is harmful on prolonged exposure or in high concentrations.

INGESTION
Gastrointestinal symptoms, including upset stomach. Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

SKIN CONTACT
Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin. May be absorbed through the skin.

EYE CONTACT
Irritation of eyes and mucous membranes.

Name        | Toxic Dose 1 - LD 50 | Toxic Conc. - LC 50 | Other Health Effects |
------------|----------------------|----------------------|----------------------|
XYLENE      | 3523 mg/kg (oral rat)| 6191 mg/l/4h (inh-rat)| May cause skin and eye irritation. |
ISO-BUTANOL | 2460 mg/kg (oral rat) |                      |                      |

Other Health Effects
Toxic through skin absorption. Swallowing may cause severe internal injury, unconsciousness or death. May cause skin/eye irritation and burns (corrosive).
### UNIVERSAL® STAIN BLOCK PRIMER

<table>
<thead>
<tr>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
<th>Toxic Conc. - LC 50</th>
<th>Toxic Dose 2 - LD 50</th>
<th>Toxic Conc. - LC 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL METHYL KETOXIME</td>
<td>2528 mg/kg (oral rat)</td>
<td>&gt;10.5 mg/l/4h (inh-rat)</td>
<td>6900 mg/kg (oral-mouse)</td>
<td>18 mg/l/4h (inh-rat)</td>
</tr>
<tr>
<td>1,2,4-TRIMETHYL BENZENE</td>
<td>5000 mg/kg (oral rat)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-OCTYL-2H-ISOTHIAZOL-3-ONE</td>
<td>550 mg/kg (oral rat)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Health Effects**

Caustic effect on skin and mucous membranes. May cause sensitisation by skin contact. Strong caustic effect on the eyes.

<table>
<thead>
<tr>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
<th>Name</th>
<th>Toxic Dose 1 - LD 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent Naptha Light Aromatic</td>
<td>&gt;3000 mg/kg (oral rat)</td>
<td>MonoPropylene Glycol</td>
<td>&gt;2000 mg/kg (oral rat)</td>
<td>Naptha (Petroleum) Hydrosulphurized Heavy</td>
<td>&gt;5000 mg/kg (oral rat)</td>
</tr>
<tr>
<td>MonoPropylene Glycol</td>
<td></td>
<td>Naptha (Petroleum) Hydrotreated Heavy</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.
UNIVERSAL® STAIN BLOCK PRIMER

Name: XYLENE
Partition Coefficient: 3.2

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product must not be allowed to enter drains or water courses.

IC 50, 72 Hrs, Algae, mg/l: 2.2

Mobility

Water: Insoluble, the product will spread over the surface and rapidly evaporate. Soil: The product has only slight mobility in the soil and will partially evaporate.

Bioaccumulative potential

Likely to bio-accumulate, but with short retention of the order of a week or less.

Degradability

The product is readily biodegradable.

Name: ISO-BUTANOL

LC 50, 96 Hrs, Fish mg/l: 100-1430

Mobility

No specific test data available.

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

Readily biodegradable. Presence in surface waters may present a hazard in terms of Oxygen depletion.

Name: ETHYL METHYL KETOXIME

LC 50, 96 Hrs, Fish mg/l: >100

EC 50, 48 Hrs, Daphnia, mg/l: 201

IC 50, 72 Hrs, Algae, mg/l: 11.8

Mobility

The product is water soluble and may spread in water systems.

Degradability

>85%

Name: 1,2,4-TRIMETHYLBENZENE

LC 50, 96 Hrs, Fish mg/l: 77.2

EC 50, 48 Hrs, Daphnia, mg/l: 3.6

IC 50, 72 Hrs, Algae, mg/l: 1-10

Mobility

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

Name: 2-OCTYL-2H-ISOTHIAZOL-3-ONE

Ecotoxicity

Very toxic to aquatic organisms. Depending on concentration, toxic effects on activated sludge organisms are possible.

LC 50, 96 Hrs, Fish mg/l: 0.14

EC 50, 48 Hrs, Daphnia, mg/l: 0.18

IC 50, 72 Hrs, Algae, mg/l: 0.084

Name: Solvent Naptha Light Aromatic

LC 50, 96 Hrs, Fish mg/l: 1-10

EC 50, 48 Hrs, Daphnia, mg/l: 1-10

IC 50, 72 Hrs, Algae, mg/l: 1-10

Name: MonoPropylene Glycol

Partition Coefficient (water/Octanol): 0.92

LC 50, 96 Hrs, Fish mg/l: 40613

EC 50, 48 Hrs, Daphnia, mg/l: >100

Name: Naptha (Petroleum) Hydrodesulphurized Heavy

LC 50, 96 Hrs, Fish mg/l: 10

Mobility

Water: Insoluble, the product will spread over the surface and rapidly evaporate. Soil: The product has only slight mobility in the soil and will partially evaporate.

Bioaccumulative potential

Likely to bio-accumulate, but with short retention of the order of a week or less.

Degradability

The product is readily biodegradable.

Name: Naptha (Petroleum) Hydrotreated Heavy

LC 50, 96 Hrs, Fish mg/l: 2200

Mobility
**UNIVERSAL® STAIN BLOCK PRIMER**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

**Degradability**

The product is biodegradable.

**Acute Fish Toxicity**

Not considered toxic to fish.

**Name**

Cobalt neodecanoate

**Ecotoxicity**

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

### 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**

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.

### 14 TRANSPORT INFORMATION

**GENERAL**

In pack sizes up to and including 30 litres, under the terms of 2.3.2.5, this product is not subject to the packaging, labelling and marking requirements of the IMDG Code, but both full documentation and placarding of cargo transport units is still required.

**FLAMMABLE LIQUID 3**

**PROPER SHIPPING NAME**

PAINT

**ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT**

No.

**ADR CLASS**

Not dangerous according to ADR.

**UN NO. SEA**

1263

**IMDG CLASS**

3

**IMDG PACK GR.**

III

**UN NO. AIR**

1263

**AIR CLASS**

3

**AIR PACK GR.**

III

### 15 REGULATORY INFORMATION

**RISK PHRASES**

- **R10** Flammable.
- **R52/53** Harmful 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.
- **S37** Wear suitable gloves.
- **S46** If swallowed, seek medical advice immediately and show this container or label.
- **S51** Use only in well-ventilated areas.
- **S56** Dispose of this material and its container to hazardous or special waste collection point.
- **P14** Contains Cobalt neodecanoate.ETHYL METHYL KETOXIME. May produce an allergic reaction.

**EU DIRECTIVES**

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.

**APPROVED CODE OF PRACTICE**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.
16 OTHER INFORMATION

INFORMATION SOURCES
Croner's Emergency Spillage Guide Croner's Emergency First Aid Guide Croner's Substances Hazardous to Health

ISSUED BY
D Charles

REV. NO./REPL. SDS GENERATED 4
SDS NO. 17684

SAFETY DATA SHEET STATUS
Approved.
DATE 21/11/2012

RISK PHRASES IN FULL
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R20 Harmful by inhalation.
R22 Harmful if swallowed.
R21 Harmful in contact with skin.
R65 Harmful: may cause lung damage if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37/38 Irritating to respiratory system and skin.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R43 May cause sensitisation by skin contact.
NC Not classified.
R66 Repeated exposure may cause skin dryness or cracking.
R41 Risk of serious damage to eyes.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.