SAFETY DATA SHEET
Zinsser Covers UP™ Aerosol Spray

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

PRODUCT NAME Zinsser Covers UP™ Aerosol Spray
PRODUCT NO. ZN03688
APPLICATION Intended for use as a spray, applied coating
SUPPLIER William Zinsser (UK) Ltd
Portobello Industrial Estate
Birtley
County Durham
England
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2 HAZARDS IDENTIFICATION

Extremely flammable Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes.


ENVIRONMENT
The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS
The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

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.

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>ACETONE</td>
<td>200-662-2</td>
<td>67-64-1</td>
<td>10-25%</td>
<td>F,R11 Xi,R36 R66 R67</td>
</tr>
<tr>
<td>BUTANE</td>
<td>203-448-7</td>
<td>106-97-8</td>
<td>5-10%</td>
<td>F+,R12</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>200-857-2</td>
<td>75-28-5</td>
<td>2.5-5.0%</td>
<td>F+,R12</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 Xn;R38</td>
</tr>
<tr>
<td>ETHYLISOBENZENE</td>
<td>202-849-4</td>
<td>100-41-4</td>
<td>&lt; 1%</td>
<td>F,R11 Xn;R20</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
Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

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.
Zinsser Covers UP™ Aerosol Spray

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
Aerosol cans may explode in a fire. If heated, volume and pressure increases strongly, resulting in explosion of container.

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
Static electricity and formation of sparks must be prevented. 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 compressed gas 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>ACETONE</td>
<td>WEL</td>
<td>500 ppm</td>
<td>1210 mg/m3</td>
<td>1500 ppm</td>
</tr>
<tr>
<td>BUTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>1450 mg/m3</td>
<td>750 ppm</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>WEL</td>
<td>100 ppm(Sk)</td>
<td>441 mg/m3(Sk)</td>
<td>125 ppm(Sk)</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>750 ppm</td>
<td></td>
</tr>
<tr>
<td>MonoPropylene Glycol</td>
<td>WEL</td>
<td>150 ppm</td>
<td>474 mg/m3</td>
<td></td>
</tr>
<tr>
<td>XYLENE</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

- Protective clothing
- Self contained breathing apparatus
- Full protective clothing
- Approved respirator
PROCESS CONDITIONS
Provide eyewash station.

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>Aerosol.</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR</td>
<td>White.</td>
</tr>
<tr>
<td>ODOUR</td>
<td>Mild. Characteristic.</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Partially miscible with water.</td>
</tr>
<tr>
<td>RELATIVE DENSITY</td>
<td>0.94 Approx. @20°C.</td>
</tr>
<tr>
<td>VAPOUR DENSITY (air=1)</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>VAPOUR PRESSURE</td>
<td>4700 mbar 20</td>
</tr>
<tr>
<td>FLASH POINT (°C)</td>
<td>-74°C. CC (Closed cup).</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - LOWER(%)</td>
<td>1.8</td>
</tr>
<tr>
<td>FLAMMABILITY LIMIT - UPPER(%)</td>
<td>10.0</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUND (VOC)</td>
<td>EXEMPT</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.

INGESTION
Gastrointestinal symptoms, including upset stomach.

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

EYE CONTACT
Irritation of eyes and mucous membranes.

<table>
<thead>
<tr>
<th>Name</th>
<th>PROPAINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>BUTANE</td>
</tr>
<tr>
<td>Toxic Conc. - LC 50</td>
<td>658 mg/l4h (inh-rat)</td>
</tr>
<tr>
<td>Name</td>
<td>Toxic Dose 1 - LD 50</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>XYLENE</td>
<td>3523 mg/kg (oral rat)</td>
</tr>
<tr>
<td>ETHYLBENZENE</td>
<td>3500 mg/kg (oral rat)</td>
</tr>
<tr>
<td>ACETONE</td>
<td>5800 mg/kg (oral rat)</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td></td>
</tr>
<tr>
<td>MonoPropylene Glycol</td>
<td>&gt;2000 mg/kg (oral rat)</td>
</tr>
<tr>
<td>Alkanes (C9-C12, iso)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>&gt;5000 mg/kg (oral rat)</td>
</tr>
</tbody>
</table>

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

The product is not expected to be hazardous to the environment.
Zinsser Covers UP™ Aerosol Spray

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, Fish mg/l</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPANE</td>
<td>&gt;1000</td>
<td>Not considered dangerous to aquatic organisms.</td>
</tr>
<tr>
<td>BUTANE</td>
<td>&gt;1000</td>
<td>LC 50, 96 Hrs, Fish mg/l</td>
</tr>
</tbody>
</table>

Mobility

- The product contains organic solvents which will evaporate easily from all surfaces.

Bioaccumulative potential

- This material is not expected to significantly bioaccumulate.

Degradability

- The product is expected to be biodegradable. The product is degraded completely by photochemical oxidation.

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, Fish mg/l</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>XYLENE</td>
<td></td>
<td>Not considered dangerous to aquatic organisms.</td>
</tr>
</tbody>
</table>

Mobility

- The product contains volatile substances, which may spread in the atmosphere.

Bioaccumulative potential

- This material is not expected to significantly bioaccumulate.

Degradability

- The product is expected to be biodegradable. The product is degraded completely by photochemical oxidation.

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, Fish mg/l</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYLBENZENE</td>
<td></td>
<td>Toxic to aquatic organisms.</td>
</tr>
<tr>
<td></td>
<td>4.2 - 14</td>
<td>LC 50, 96 Hrs, Fish mg/l</td>
</tr>
<tr>
<td></td>
<td>2.1 - 2.9</td>
<td>EC 50, 48 Hrs, Daphnia, mg/l</td>
</tr>
<tr>
<td></td>
<td>4.6</td>
<td>IC 50, 72 Hrs, Algae, mg/l</td>
</tr>
</tbody>
</table>

Degradability

- The product is moderately biodegradable.

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, Fish mg/l</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE</td>
<td>8300</td>
<td>Toxic to aquatic organisms.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC 50, 96 Hrs, Fish mg/l</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>EC 50, 48 Hrs, Daphnia, mg/l</td>
</tr>
</tbody>
</table>

Mobility

- The product is soluble in water.

Bioaccumulative potential

- The product is not bioaccumulating.

Degradability

- The product is readily biodegradable.

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, Fish mg/l</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOBUTANE</td>
<td></td>
<td>Not considered dangerous to aquatic organisms.</td>
</tr>
</tbody>
</table>

Mobility

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

Degradability

- The product is expected to be biodegradable. The product is degraded completely by photochemical oxidation.

<table>
<thead>
<tr>
<th>Name</th>
<th>LC 50, 96 Hrs, Fish mg/l</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>MonoPropylene Glycol</td>
<td>0.92 (water/Octanol)</td>
<td>LC 50, 96 Hrs, Fish mg/l</td>
</tr>
<tr>
<td></td>
<td>40613</td>
<td>EC 50, 48 Hrs, Daphnia, mg/l</td>
</tr>
<tr>
<td>Alkanes (C9-C12, iso)</td>
<td></td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Alkanes (C9-C12, iso)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC 50, 96 Hrs, Fish mg/l</td>
</tr>
</tbody>
</table>
Zinsser Covers UP™ Aerosol Spray

The product is biodegradable.

### 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

*FLAMMABLE GAS 2*

<table>
<thead>
<tr>
<th>PROPER SHIPPING NAME</th>
<th>AEROSOLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT UN NO. ROAD</td>
<td>1950</td>
</tr>
<tr>
<td>ADR CLASS NO.</td>
<td>2.1</td>
</tr>
<tr>
<td>ADR CLASS</td>
<td>Class 2: Gases</td>
</tr>
<tr>
<td>TUNNEL RESTRICTION CODE</td>
<td>(D)</td>
</tr>
<tr>
<td>ADR LABEL NO.</td>
<td>2.1</td>
</tr>
<tr>
<td>UN NO. SEA</td>
<td>1950</td>
</tr>
<tr>
<td>IMDG CLASS</td>
<td>2.1</td>
</tr>
<tr>
<td>EMS</td>
<td>F-D, S-U</td>
</tr>
<tr>
<td>UN NO. AIR</td>
<td>1950</td>
</tr>
<tr>
<td>AIR CLASS</td>
<td>2.1</td>
</tr>
</tbody>
</table>

### 15 REGULATORY INFORMATION

**LABELLING**

- Irritant
- Extremely flammable

**RISK PHRASES**

- R12: Extremely flammable.
- R36: Irritating to eyes.
- 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.
- S9: Keep container in a well-ventilated place.
- S16: Keep away from sources of ignition - No smoking.
- S23: Do not breathe vapour/spray.
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S51: Use only in well-ventilated areas.
- A1: Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
- A2: Do not spray on a naked flame or any incandescent material.

**UK REGULATORY REFERENCES**
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

**EU DIRECTIVES**
System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.
Zinsser Covers UP™ Aerosol Spray

APPROVED CODE OF PRACTICE
Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

NATIONAL REGULATIONS

16 OTHER INFORMATION

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

REVISION COMMENTS
Amended in line with HSE requirements.

ISSUED BY
I McCormack

REVISION DATE 18/08/2011

REV. NO./REPL. SDS GENERATED 4

SDS NO. 17669

SAFETY DATA SHEET STATUS
Approved.

DATE 16/07/2012

RISK PHRASES IN FULL

R12 Extremely flammable.
R10 Flammable.
R20/21 Harmful by inhalation and in contact with skin.
R20 Harmful by inhalation.
R65 Harmful: may cause lung damage if swallowed.
R11 Highly flammable
R36 Irritating to eyes.
R38 Irritating to skin.
R53 May cause long-term adverse effects in the aquatic environment.
NC Not classified.
R66 Repeated exposure may cause skin dryness or cracking.
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.