



## 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

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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.

CLASSIFICATION (1999/45) Xi;R36. F+;R12. R66, R67.

##### 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

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
ACETONE	200-662-2	67-64-1	10-25%	F;R11 Xi;R36 R66 R67
Alkanes (C9-C12, iso)	292-459-0	90622-57-4	10-25%	Xn;R65. R10,R53,R66.
BUTANE	203-448-7	106-97-8	5-10%	F+;R12
ISOBUTANE	200-857-2	75-28-5	2.5-5.0%	F+;R12
MonoPropylene Glycol	200-338-0	57-55-6	< 1%	-
XYLENE	215-535-7	1330-20-7	< 1%	R10 Xn;R20/21 Xi;R38
ETHYLBENZENE	202-849-4	100-41-4	< 1%	F;R11 Xn;R20

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.

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### 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/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m <sup>3</sup>	1500 ppm	3620 mg/m <sup>3</sup>	
BUTANE	WEL	600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>	
ETHYLBENZENE	WEL	100 ppm(Sk)	441 mg/m <sup>3</sup> (Sk)	125 ppm(Sk)	552 mg/m <sup>3</sup> (Sk)	
ISOBUTANE	WEL	600 ppm		750 ppm		
MonoPropylene Glycol	WEL	150 ppm	474 mg/m <sup>3</sup>			
XYLENE	WEL	50 ppm(Sk)	220 mg/m <sup>3</sup> (Sk)	100 ppm(Sk)	441 mg/m <sup>3</sup> (Sk)	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



**Zinsser Covers UP™ Aerosol Spray****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**

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

**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.

Name	PROPANE
Name	BUTANE
Toxic Conc. - LC 50	658 mg/l/4h (inh-rat)

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

Name	ETHYLBENZENE
Toxic Dose 1 - LD 50	3500 mg/kg (oral rat)
Toxic Conc. - LC 50	17.2 - 35.7 mg/l/4h (inh-rat)

Name	ACETONE
Toxic Dose 1 - LD 50	5800 mg/kg (oral rat)

Name	ISOBUTANE
Toxic Conc. - LC 50	658 mg/l/4h (inh-rat)

Name	MonoPropylene Glycol
Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)

Name	Alkanes (C9-C12, iso)
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

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

**Zinsser Covers UP™ Aerosol Spray**

Name PROPANE

LC 50, 96 Hrs, Fish mg/l >1000

Name BUTANE

Ecotoxicity

Not considered dangerous to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l >1000

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.

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 ETHYLBENZENE

Ecotoxicity

Toxic to aquatic organisms.

LC 50, 96 Hrs, Fish mg/l 4.2 - 14

EC 50, 48 Hrs, Daphnia, mg/l 2.1 - 2.9

IC 50, 72 Hrs, Algae, mg/l 4.6

Degradability

The product is moderately biodegradable.

Name ACETONE

LC 50, 96 Hrs, Fish mg/l 8300

EC 50, 48 Hrs, Daphnia, mg/l 10

Mobility

The product is soluble in water.

Bioaccumulative potential

The product is not bioaccumulating.

Degradability

The product is readily biodegradable.

Name ISOBUTANE

Ecotoxicity

Not considered dangerous to aquatic organisms.

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.

Name MonoPropylene Glycol

Partition Coefficient 0.92 (water/Octanol)

LC 50, 96 Hrs, Fish mg/l 40613

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

Name Alkanes (C9-C12, iso)

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

Mobility

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

Degradability

## 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



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

### 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

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

## 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

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### 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

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