



SAFETY DATA SHEET

Zinsser Cover Stain® Aerosol

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

PRODUCT NAME Zinsser Cover Stain® Aerosol
 PRODUCT NO. ZN70818
 APPLICATION Intended for use as a spray-applied coating.
 SUPPLIER William Zinsser (UK) Ltd
 Portobello Industrial Estate
 Birtley
 County Durham
 England
 DH3 2RE
 +44(0)191 4106611
 +44(0)191 4920125
 enquiries@tor-coatings.com
 CONTACT PERSON ian.mccormack@tor-coatings.com
 EMERGENCY TELEPHONE +44(0)1865 407333 (NCEC)

2 HAZARDS IDENTIFICATION

Extremely 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.

CLASSIFICATION (1999/45) F+;R12. R52/53, 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)
Naptha (Petroleum) Hydrodesulphurized Heavy	265-185-4	64742-82-1	10-25%	Xn;R65. N;R51/53. R10,R66,R67.
ACETONE	200-662-2	67-64-1	5-10%	F;R11 Xi;R36 R66 R67
BUTANE	203-448-7	106-97-8	5-10%	F+;R12
XYLENE	215-535-7	1330-20-7	5-10%	R10 Xn;R20/21 Xi;R38
ISOBUTANE	200-857-2	75-28-5	2.5-5.0%	F+;R12
Naptha (Petroleum) Hydrotreated Heavy	265-150-3	64742-48-9	< 1%	Xn;R65. R10,R67.
ETHYLBENZENE	202-849-4	100-41-4	< 1%	F;R11 Xn;R20
ISO-BUTANOL	201-148-0	78-83-1	< 1%	R10 Xi;R37/38,R41 R67

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.

Zinsser Cover Stain® Aerosol

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

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 ³	1500 ppm	3620 mg/m ³	
BUTANE	WEL	600 ppm	1450 mg/m ³	750 ppm	1810 mg/m ³	
ETHYLBENZENE	WEL	100 ppm(Sk)	441 mg/m ³ (Sk)	125 ppm(Sk)	552 mg/m ³ (Sk)	
ISOBUTANE	WEL	600 ppm		750 ppm		
ISO-BUTANOL	WEL	50 ppm	154 mg/m ³	75 ppm	231 mg/m ³	
Naptha (Petroleum) Hydrodesulphurized Heavy	WEL		600 mg/m ³			
Naptha (Petroleum) Hydrotreated Heavy	OES		1000 mg/m ³			
XYLENE	WEL	50 ppm(Sk)	220 mg/m ³ (Sk)	100 ppm(Sk)	441 mg/m ³ (Sk)	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

Zinsser Cover Stain® Aerosol

PROTECTIVE EQUIPMENT



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	Slightly soluble in water.
RELATIVE DENSITY	0.84 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
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

BUTANE

Toxic Conc. - LC 50

658 mg/l/4h (inh-rat)

Zinsser Cover Stain® Aerosol

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 ISO-BUTANOL

Toxic Dose 1 - LD 50 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).

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 Naptha (Petroleum) Hydrodesulphurized Heavy

Toxic Dose 1 - LD 50 >5000 mg/kg (oral rat)

Name Naptha (Petroleum) Hydrotreated Heavy

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 Cover Stain® Aerosol

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

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 Naptha (Petroleum) Hydrodesulphurized Heavy

LC 50, 96 Hrs, Fish mg/l 10

Mobility

Zinsser Cover Stain® Aerosol

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

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.

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



Extremely flammable

RISK PHRASES

R12	Extremely 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

A1	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
----	---

Zinsser Cover Stain® Aerosol

A2	Do not spray on a naked flame or any incandescent material.
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.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
S56	Dispose of this material and its container to hazardous or special waste collection point.

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.

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

This is first issue.

ISSUED BY

I McCormack

REVISION DATE 07/01/2005

REV. NO./REPL. SDS GENERATED 1

SDS NO. 17526

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.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
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.