



## SAFETY DATA SHEET Zinsser B-I-N® Aerosol

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

PRODUCT NAME Zinsser B-I-N® Aerosol  
PRODUCT NO. ZN70208, ZN7130001  
APPLICATION Intended for use as a spray, applied coating  
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### 2 HAZARDS IDENTIFICATION

CLASSIFICATION (1999/45) Xi;R36. F+;R12. R66, R67.  
CLASSIFICATION (EC 1272/2008)  
Physical and Chemical Hazards Flam. Aerosol 1 - H222  
Human health EUH066;Eye Irrit. 2 - H319;STOT Single 3 - H336  
Environment Not classified.  
LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Danger

#### HAZARD STATEMENTS

H222 Extremely flammable aerosol.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

#### PRECAUTIONARY STATEMENTS

P102 Keep out of reach of children.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P251 Pressurized container: Do not pierce or burn, even after use.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

#### SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash ... thoroughly after handling.  
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

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P313	Get medical advice/attention.
P337	If eye irritation persists:
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to ...

## Supplemental Label Information (EU)

EUH066	Repeated exposure may cause skin dryness or cracking.
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## 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**

ACETONE	25-50%
CAS-No.: 67-64-1	EC No.: 200-662-2
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT Single 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67
ETHANOL	10-25%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
METHYLAL	5-10%
CAS-No.: 109-87-5	EC No.: 203-714-2
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 STOT Single 2 - H371	Classification (67/548/EEC) Xn;R20/21/22,R68/20/21/22. F;R11.
BUTANE	2.5-5.0%
CAS-No.: 106-97-8	EC No.: 203-448-7
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12
ISOBUTANE	1.0-2.5%
CAS-No.: 75-28-5	EC No.: 200-857-2
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548/EEC) F+;R12
Silicon Dioxide	< 1%
CAS-No.: 14808-60-7	EC No.: 238-878-4
Classification (EC 1272/2008) Acute Tox. 4 - H332	Classification (67/548/EEC) T;R48. Xn;R20.

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METHANOL		< 1%
CAS-No.: 67-56-1	EC No.: 200-659-6	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT Single 1 - H370	Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25	

The Full Text for all R-Phrases and Hazard Statements 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.

**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**

**Zinsser B-I-N® Aerosol**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETONE	WEL	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3	
ETHANOL	WEL	1000 ppm	1920 mg/m3			
ISOBUTANE	WEL	600 ppm		750 ppm		
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	
Silicon Dioxide			0.1 mg/m3			

WEL = Workplace Exposure Limit.

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**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	Characteristic.
SOLUBILITY	Slightly soluble in water.
RELATIVE DENSITY	0.9 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.

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### 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)
Name	METHANOL
Toxic Dose 1 - LD 50	5600 mg/kg (oral rat)
Toxic Conc. - LC 50	64000 ppm/4h (inh-rat)
Toxicological information	
This material is toxic.	
Other Health Effects	
Carcinogen Category 3.	
Name	ETHANOL
Toxic Dose 1 - LD 50	7060 mg/kg (oral rat)
Toxic Conc. - LC 50	20000 ppm/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	METHYLAL
Toxic Dose 1 - LD 50	5620 mg/kg (oral rat)
Toxic Dose 2 - LD 50	No data
Toxic Conc. - LC 50	No data

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

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

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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 METHANOL

Ecotoxicity

Not regarded as dangerous for the environment. The product must not be allowed to enter drains or water courses. Dangerous to aquatic life in high concentrations.

LC 50, 96 Hrs, Fish mg/l >10000

EC 50, 48 Hrs, Daphnia, mg/l >10000

Mobility

The product is soluble in water.

Bioaccumulative potential

The product is not bioaccumulating.

Degradability

The product is readily biodegradable.

Name ETHANOL

Ecotoxicity

Not considered dangerous to aquatic organisms. The product must not be allowed to enter drains or water courses.

LC 50, 96 Hrs, Fish mg/l 13000 - 16000

EC 50, 48 Hrs, Daphnia, mg/l 5680 - 7710

Mobility

The product is soluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

Bioaccumulative potential

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

Degradability

The product is readily 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 METHYLAL

### 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.

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### 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

### 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

### ISSUED BY

I McCormack

REVISION DATE 07/01/2005

REV. NO./REPL. SDS GENERATED 1

SDS NO. 17530

### SAFETY DATA SHEET STATUS

Approved.

DATE 21/11/2012

## Zinsser B-I-N® Aerosol

### RISK PHRASES IN FULL

R48	Danger of serious damage to health by prolonged exposure.
R12	Extremely flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R20	Harmful by inhalation.
R68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.

### HAZARD STATEMENTS IN FULL

H370	Causes damage to organs <<Organs>>.
H319	Causes serious eye irritation.
H220	Extremely flammable gas.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour.
H371	May cause damage to organs <<Organs>>.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.

### 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.