

# SAFETY DATA SHEET

## Zettex X46 Canister

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name** Zettex X46 Canister  
**Container size** 10kg

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Adhesive.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Zettex Europe BV  
Plaza 20  
4782 SK  
Moerdijk  
The Netherlands  
Tel: +31 888 938839  
Fax: +31 888 938888  
info@zettex.nl

#### 1.4. Emergency telephone number

**Emergency telephone** Zettex Europe BV 031 (0) 888 938 839 (Mon-Fri 09:00-17:00)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Aerosol 3 - H229  
**Health hazards** Not Classified  
**Environmental hazards** Not Classified

#### 2.2. Label elements

**Signal word** Warning  
**Hazard statements** H229 Pressurised container: may burst if heated.  
**Precautionary statements** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**Supplemental label information** EUH208 Contains 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1), 2-METHYL-2H-ISOTHIAZOL-3-ONE, 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. May cause skin irritation.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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<b>NITROGEN</b>	<b>10-30%</b>
CAS number: 7727-37-9	EC number: 231-783-9
<b>Classification</b>	
Press. Gas (Comp.) - H280	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination. Remove person to fresh air and keep comfortable for breathing. Get medical attention.
<b>Ingestion</b>	Get medical attention. Rinse mouth thoroughly with water.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Wash with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The product is considered to be a low hazard under normal conditions of use.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	No specific symptoms known.
<b>Eye contact</b>	No specific symptoms known.

#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire. Water spray, foam, dry powder or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Pressurised container: may burst if heated
<b>Hazardous combustion products</b>	None known.

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Move containers from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

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**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Good personal hygiene procedures should be implemented.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Protect from freezing and direct sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Storage class** Compressed gas storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

**Personal protection**

Wear protective clothing.

**Eye/face protection**

Wear eye protection. Tight-fitting safety glasses. Personal protective equipment for eye and face protection should comply with European Standard EN166.

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<b>Hand protection</b>	For exposure up to 8 hours, wear gloves made of the following material: 0.5mm Chloroprene rubber. 0.7mm Butyl rubber. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.
<b>Respiratory protection</b>	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Adhesive.
<b>Colour</b>	White. Blue.
<b>Odour</b>	Aromatic.
<b>Odour threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): 6-7.5
<b>Initial boiling point and range</b>	100°C @ 760 mm Hg for liquid base.
<b>Flammability (solid, gas)</b>	Not relevant.
<b>Vapour pressure</b>	Not available.
<b>Relative density</b>	1.02 for liquid base.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Partition coefficient</b>	Not applicable.
<b>Viscosity</b>	15-40 mPa s @ 23°C for liquid base.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not available.

#### 9.2. Other information

<b>Other information</b>	None.
<b>Volatile organic compound</b>	Not relevant.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable under the prescribed storage conditions.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Will not polymerise. Under normal conditions of storage and use, no hazardous reactions will occur. Carbon monoxide (CO).
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### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposing aerosol containers to high temperatures or direct sunlight. Avoid freezing.

### 10.5. Incompatible materials

**Materials to avoid** Some metals.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None at ambient temperatures.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Not considered toxic to fish.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating.

#### Respiratory sensitisation

**Respiratory sensitisation** No specific test data are available. Not sensitising.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

**Genotoxicity - in vivo** This substance has no evidence of mutagenic properties.

#### Carcinogenicity

**Carcinogenicity** There is no evidence that the product can cause cancer.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Data lacking.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

#### Aspiration hazard

**Aspiration hazard** Not applicable.

**General information** This product has low toxicity.

**Inhalation** No specific health hazards known.

**Ingestion** No specific health hazards known.

**Skin contact** Skin irritation should not occur when used as recommended. Not a skin sensitiser.

**Eye contact** May be slightly irritating to eyes.

**Acute and chronic health hazards** No specific health hazards known.

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### SECTION 12: Ecological information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** Not regarded as dangerous for the environment.

#### Acute aquatic toxicity

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: > 100 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: > 100 mg/l, Scenedesmus subspicatus

**Acute toxicity - microorganisms** EC20, 30 minutes: > 100 mg/l, Activated sludge  
DIN EN ISO 8192-OECD 209-88/302/EEC,P.C)

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is degraded completely by abiotic reduction. The product is degraded completely by abiotic oxidation.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** Not applicable.

#### 12.4. Mobility in soil

**Mobility** No data available.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Waste liquid components should be suitable for incineration at an approved facility. Avoid the spillage or runoff entering drains, sewers or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

**Waste class** 16 05 04. 15 01 04. 15 01 10.

### SECTION 14: Transport information

#### 14.1. UN number

**UN No. (ADR/RID)** 3500

**UN No. (IMDG)** 3500

**UN No. (ICAO)** 3500

**UN No. (ADN)** 3500

#### 14.2. UN proper shipping name

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**Proper shipping name (ADR/RID)** CHEMICAL UNDER PRESSURE, N.O.S. (NITROGEN)

**Proper shipping name (IMDG)** CHEMICAL UNDER PRESSURE, N.O.S. (NITROGEN)

**Proper shipping name (ICAO)** CHEMICAL UNDER PRESSURE, N.O.S. (NITROGEN)

**Proper shipping name (ADN)** CHEMICAL UNDER PRESSURE, N.O.S. (NITROGEN)

### 14.3. Transport hazard class(es)

**ADR/RID class** 2.2

**ADR/RID classification code** 8A

**ADR/RID label** 2.2

**IMDG class** 2.2

**ICAO class/division** 2.2

**ADN class** 2.2

### Transport labels



### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

**EmS** F-C, S-V

**ADR transport category** 3

**Emergency Action Code** 2ZE

**Hazard Identification Number (ADR/RID)** 20

**Tunnel restriction code** (C/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78 and the IBC Code**

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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**Authorisations (Title VII Regulation 1907/2006)** No specific authorisations are known for this product.

**Restrictions (Title VIII Regulation 1907/2006)** No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Classification procedures according to Regulation (EC) 1272/2008** Aerosol 3 - H229: Weight of evidence.

**Issued by** Technical Department

**Revision date** 13/01/2016

**Revision** 3

**Supersedes date** 03/09/2015

**SDS number** 20594

**Hazard statements in full** H229 Pressurised container: may burst if heated.  
H280 Contains gas under pressure; may explode if heated.

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.