



## SAFETY DATA SHEET

### PART No. TR201

#### 1. IDENTIFICATION OF THE PRODUCT

**PRODUCT NAME:** TR201 VULCANISING CEMENT 250ML C/W APPLICATOR  
**PRODUCT CODE:** TR201  
**SUPPLIER:** Autogem Invicta Ltd.  
Unit 6, Space Business Park  
Abbey Road,  
Park Royal  
London NW10 7SU  
**TEL:** 00 44 (0) 208 838 0910  
**FAX:** 00 44(0) 208 838 1854  
**E-mail:** [sales@autogem.co.uk](mailto:sales@autogem.co.uk)

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

**Chemical characterization:** Chlorinated hydrocarbons and aromatic hydrocarbons preparation with ethyl acetate

#### **Hazardous ingredients:**

CAS-No	EC-No	Name	[%]	Classification
000141-78-6	205-500-4	naphthenic hydrocarbons	<25	F R11;N R51/53; Xn R65; R67
014634-93-6	238-677-1	ethyl-acetate	<60	F R11; Xi R36; R66; R67
		Zinc-bis (N-ethyl-N-phenyldithiocarbamate)	<5	Xi R36; R35

#### **Additional advice:**

PC= Production code

#### 3. HAZARDS IDENTIFICATION:

#### **R-phrases:**

**11** Highly flammable.  
**36** Irritating to eyes.  
**52/53** Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.  
**66** Repeated exposure may cause skin dryness or cracking.  
**67** Vapours may cause drowsiness and dizziness.

#### 4. FIRST AID MEASURES:

**General information:** Remove contaminated soaked clothing immediately. If you unwell, seek medical advice. Take away from danger area and lay down affected person.  
**In case of inhalation:** Move to fresh air in case of accidental inhalation of vapours of decomposition products. In the event of symptoms refer for medical treatment.  
**In case of skin contact:** Wash off with soap and plenty of water. Consult a doctor if skin irritation persists.



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**In case of eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.

**In case of ingestion:** Induce vomiting only the advice of physician. Attention! Beware, danger of aspiration!  
Do not induce vomiting summon a doctor immediately.

#### **5. FIRE FIGHTING MEASURES:**

**Suitable extinguishing material:** Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Unsuitable Extinguishing media:** Full water Jet.

**Special exposure hazards arising from the substance, combustible products or resulting gases:**

Fire may produce carbon monoxide and carbon dioxide.

**Special protective equipment for firefighters:** Use breathing apparatus with independent air supply.

**Additional information:** Vapours are heavier than air and spread along ground. The vapour mixture is explosive, even in empty, unlearned receptacles.  
Cool containers at risk with water spray jet.

#### **6. ACCIDENTAL RELEASE MEASURES:**

**Personal Precautions:** In cause of vapour formation use aspirator.  
Use only explosion-proof equipment.  
Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.

**Environmental Precautions:** Do not allow discharge into the drains/surface waters/groundwater.

**Methods for cleaning up/taking up:** Soak up with inert absorbent material (e.g. sand, silica, acid binder, universal binder). Shovel into suitable container for disposal.

#### **7. HANDLING AND STORAGE:**

**Handling:** **Advice on safe handling:**  
Keep container tightly closed. Vapours are heavier than air and spread along ground. Keep a good ventilation and air-exhaust at the place of work. Avoid contact with skin, eyes and clothing.

**Advice on protection against fire and explosion:**  
Keep away from heat and sources of ignition.  
Do not smoke  
Take precautionary measures against static discharges.  
Use only explosion-proof equipment.

**Requirement for storage rooms and vessels**



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Keep container tightly closed in dry, cool and well-ventilated place.  
Pay attention to anti-explosion rules.

#### Advice on storage compatibility

Incompatible with:

Oxidising agents

Nitrous acid and other nitrosating agents

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

#### **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

##### Additional advice on system design

Ensure adequate ventilation, especially in confined areas

##### Ingredients with occupational exposure limits areas

CAS-No	Name	Code	[mg/m <sup>3</sup> ]	[ml/m <sup>3</sup> ]	Remark
000141-78-6	Ethyl-acetate	TLV		200	

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

##### Hand protection

##### Splash protection:

Protective gloves resistant to chemicals made off natural-rubber later, minimum coat thickness 0.6 mm. Permeation resistance (wear duration) approx 10 minutes, i.e. protective glove <Lapren 706> made by KCL (e-mail: [vertrieb@kcl.de](mailto:vertrieb@kcl.de)). Protective gloves resistant to chemical made off butyl, minimum coat of thickness 0.7mm, permeation resistance (wear duration) > 60 minutes, i.e. protective glove <Butoject 898> made by KCL (e-mail: [vertrieb@kcl.de](mailto:vertrieb@kcl.de)). This recommendation refers exclusively to the chemical compatibility and the test conforming to EN 374 carried out under lab conditions. Requirement can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendation given by the manufacturer of protective gloves.

##### Eye protection:

Eye wash bottle with pure water  
tightly fitting goggles

##### Skin protection:

Solvent-resistant apron

##### General protective measures:

Do not inhale vapours.  
Wash hands before breaks and immediately after handling the product.  
When using, do not eat, drink or smoke.  
Treat subsequently with skin cream  
Remove and wash contaminated clothes before re-use.



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#### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid  
Color: Blue  
Odor: Ester like

	Value	Temperature at	Method	Remark
Boiling Point:	ca. 76 deg C			
Flash Point:	<-18 deg C			
Combustion Temperature:	400 deg C			
Lower explosion limit:	0.6 Vol-%			
Density:	0.88g/ml	20 deg C		
Solubility in water:		20 deg C		immiscible
Viscosity 1:	6800 mP/S			
Solvent concentration:	<85%			

#### 10. STABILITY AND REACTIVITY:

**Conditions to avoid:** To avoid thermal decomposition, do not overheat.  
Vapour/ air mixture are explosive at intensive warming  
Heating can release vapours which can be ignited.

**Materials to avoid:** Nitrous acid and other nitrosating agents. Oxidising agents.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide  
An inappropriate, renders possible a cleavage of nitrosamines in traces.

**Additional information:** No decomposition if stored and applied as direct.

#### 11. TOXICOLOGICAL INFORMATION:

**Experience made from practice:** Irritating to eyes.  
Effects of breathing high concentrations of vapour may include headache, dizziness, weakness, unconsciousness.  
Vapours may cause drowsiness and dizziness.  
Repeated exposure may cause skin dryness or cracking.

**Additional information:** An inappropriate handling for instance major amounts of products combined with strong heat and nitrosating, renders possible a cleavage of nitrosamines in traces.

#### 12. ECOLOGICAL INFORMATION:



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**General regulation:** Do not flush into surface water or sanitary sewer system.  
Slightly water contaminating.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 13. DISPOSAL CONSIDERATIONS:

**Waste code No:** 08 04 09  
**Name of waste:** Waste adhesives and sealants containing organic solvent or other dangerous substances

**Recommendations for the product:** Where possible recycling is preferred to disposal can be incinerated, when in compliance with local regulations

**Recommendations for packaging:** Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate may be taken for reuse.

**General information:** Wastes marked with an asterisk(\*) are considered to be hazardous waste pursuant to directive 91/689/EEC on hazardous waste.

#### 14. TRANSPORT INFORMATION:

##### Land and inland navigation transport (ADR/RID/RID/GGVS/ADNR)

**Identification:** 1133 adhesives  
**UN-No:** 1133  
**Class:** 3  
**PG:** II  
**Hazard No:** 33  
**Remarks:** LQ 6: combination packaging: 5l/ 20 l; trays: 1 l/ 20 l (20Kg total gross mass)

##### Marine transport IMDG/GGV See

**Proper shipping name:** Adhesives  
**Un-No:** 1133  
**Class:** 3.2  
**PG:** 3.2  
**Marine pollutant:** No  
**Ems-No:** 3-05  
**Remarks:** limited quantities packaging; 1 l / 30 Kg (total gross mass);  
trays: 1 l / 20 Kg ( total gross mass)

##### Air transport ICAO/IATA

**Proper shipping name:** Adhesives



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Un/ID-No: 1133  
Class 3  
PG: II  
Remarks: PAC 305 (5L), CAC 307 (60L)

#### 15. REGULATORY INFORMATION

Remarks for classification:

According to the product is to be labelled as follows:

Classification:

F Highly flammable  
Xi irritant

R-phrases:

11 Highly flammable.  
36 irritating to eyes.  
52/53 Harmful to aquatic organisms, may cause long-term adverse in the aquatic environment.  
66 Repeated exposure may cause skin dryness or cracking.  
67 Vapours may cause dryness and dizziness.

S-phrases:

16 Keep away from sources of ignition – No smoking  
2 Keep out of children  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
29/35 Do not empty into drains; dispose of this material and its container in a safe way.  
46 If swallowed, seek medical advice immediately and show this container or label.  
61 Avoid release to the environment. Refer to special instruction/safety data sheet

#### 6. OTHER INFORMATION:

**Further information:** Data items 4 to 8 , as well as 10 to 12, do partly not refer to the use and the regular employing of the product ( in this sense consult information on use and on the product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirement for the product (s) and is based on the present level knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.



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(n.a. = not application; n.d. = not determined)

**Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)**

<b>R11</b>	Highly flammable.
<b>R36</b>	Irritating to eyes.
<b>R51/53</b>	Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
<b>R53</b>	May cause long-term adverse effects in the aquatic environment.
<b>R65</b>	Harmful: may cause lung damage if swallowed.
<b>R66</b>	Repeated exposure may cause skin dryness or cracking
<b>R67</b>	Vapours may cause drowsiness and dizziness.