



## SAFETY DATA SHEET

### PART No. TR202

#### 1. IDENTIFICATION OF THE PRODUCT

**PRODUCT NAME:** TR202 VULCANISING CEMENT 250ML FLAMMABLE  
**PRODUCT CODE:** TR202  
**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

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

**Chemical characterization ( preparation )**

**Preparation in organic solvents**

**Hazardous Components:**

EC-No.	CAS No	Chemical name	Quantity	Classification
205-563-8	142-82-5	n-Heptane	< 75 %	F, Xn, Xi, N R11-65-38-67-50-53
200-662-2	67-64-1	Acetone	< 20 %	F, Xi R11-36-66-67

#### 3. HAZARDS IDENTIFICATION:

**Classification**

**Symbols :** Highly flammable, Irritant, Dangerous for the environment  
**R-phrases :** Highly flammable.  
Irritating to skin.  
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Vapours may cause drowsiness and dizziness.

#### 4. FIRST AID MEASURES:

**General information:** Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.  
Take away from danger area and lay down affected person.

**After inhalation:** Move to fresh air in case of accidental inhalation of vapours.  
Seek medical treatment immediately.

**After contact with skin:** Wash off with soap and plenty of water. Consult a doctor if skin irritation persists.

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

**After ingestion:** Induce vomiting only upon the advice of a physician.  
Attention. Beware, danger of aspiration. Do not induce vomiting.



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Summon a doctor immediately.

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

**Extinguishing Media: Extinguish:** Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.  
**UNSUITABLE Extinguishing media:** Full water Jet.

**Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases**

**Fire may produce:** Carbon monoxide and carbon dioxide.  
**Special protective equipment for fire-fighters:** Use breathing apparatus with independent air supply.  
**Additional information:** The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Cool containers at risk with water spray jet. Collect contaminated firefighting water separately, must not be discharged into the drains. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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

**Personal Precautions:** In case of vapour formation use respirator.  
Use only explosion-proof equipment.  
Ensure adequate ventilation.  
Remove persons to safety.  
Use personal protective clothing.  
Keep away sources of ignition.  
**Environmental Precautions:** Do not discharge into the drains/surface waters/groundwater.  
**Methods for cleaning up/taking up:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Shovel into suitable container for disposal.

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

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

**Storage:**  
**Requirements for storage rooms and vessels:** Keep container tightly closed in a dry, cool and well-ventilated place.  
Pay attention to anti-explosion rules.  
Incompatible with oxidizing agents.

**Advice on storage compatibility:** Keep away from food, drink and animal feeding stuffs.



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Further information on storage conditions:

Storageclass (VCI): 3 A

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Exposure limit values :

Exposure limits (EH40)

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
	Acetone	1500	3620		STEL (15 min)	WEL
142-82-5	n-Heptane	500	-		TWA (8 h)	WEL
	n-Heptane	-	-		STEL (15 min)	WEL

**Occupational exposure controls:** Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene 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.  
Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

**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 butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 10 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Eye protection:** Eye wash bottle with pure water.

Tightly fitting goggles

**Skin protection:** Solvent-resistant apron.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Physical state:** Liquid  
**Colour:** Colourless, Milky  
**Odour:** Hydrocarbon-like

Test method

**Changes in the physical state:**

**Boiling point:** > 56 °C



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Flash point:	- 20 °C	
<b>Flammability:</b>		
Lower explosion limits:	1,1 vol. %	
Upper explosion limits:	13,2 vol. %	
Ignition temperature:	204 °C	
Vapour pressure at (20 °C):	233 hPa	Acetone
Density (at 20 °C):	0,72 g/cm <sup>3</sup>	
Water solubility at (20 °C):	Partially miscible	
Viscosity / dynamic:	5000 mPa·s	
Flow time:	> 30 s	3DIN/ISO 2431
Solvent content	89 - 91 %	

#### 10. STABILITY AND REACTIVITY:

<b>Conditions to avoid:</b>	To avoid thermal decomposition, do not overheat. Vapour/air mixtures are explosive at intensive warming. Heating can release vapours which can be ignited.
<b>Materials to avoid:</b>	Strong oxidising agents
<b>Hazardous decomposition products:</b>	Carbon monoxide and carbon dioxide.
<b>Additional information:</b>	No decomposition if stored and applied as directed.

#### 11. TOXICOLOGICAL INFORMATION:

<b>Empirical data on effects on humans:</b>	Vapours may cause drowsiness and dizziness. Irritating to skin. May cause irritation of the mucous membranes. Effects of breathing high concentrations of vapour may include. Headache, dizziness, weakness, unconsciousness. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Contact with eyes may cause irritation. Attention. Beware, danger of aspiration!
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#### 12. ECOLOGICAL INFORMATION:

<b>Additional information:</b>	Do not flush into surface water or sanitary sewer system. Slightly water hazardous. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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#### 13. DISPOSAL CONSIDERATIONS:

<b>Advice on disposal:</b>	Where possible recycling is preferred to disposal. Can be incinerated, when in compliance with local regulations.
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#### Waste disposal number of waste from residues/unused products:

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances Classified as hazardous waste.

**Contaminated 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 cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

#### 14. TRANSPORT INFORMATION:

##### Land transport (ADR/RID):

ADR/RID class : 3  
Hazard-no. : 33  
UN number : 1133  
Hazard label : 3  
ADR/RID packing group : II  
Description of the goods: Adhesives  
Remarks (land transport) LQ 6: combination packaging: 5 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass).

##### Inland waterways transport:

##### Marine transport :

IMDG code : 3  
UN number : 1133  
Marine pollutant : No  
EmS : F-E; S-D  
IMDG packing group : II  
Hazard label : 3  
Description of the goods: ADHESIVES  
Remarks (marine transport): Limited quantities (chapter 3.4): combination packaging: 1 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass)

##### Air transport:

ICAO/IATA-DGR : 3  
UN/ID number : 1133  
Hazard label : 3  
IATA-packing instructions - Passenger : 305  
IATA-max. quantity - Passenger : 5 L



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IATA-packing instructions - Cargo: 307  
IATA-max. quantity - Cargo : 60 L  
ICAO packing group: II  
Description of the goods: ADHESIVES

#### 15. REGULATORY INFORMATION

**Labelling:** Labelling according to EC-guidelines :  
According to EC-regulations the product is to be labelled as follows:

**R phrases :**

11	Highly flammable.
38	Irritating to skin.
67	Vapours may cause drowsiness and dizziness.

**S phrases :**

50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
09	Keep container in a well-ventilated place.
16	Keep away from sources of ignition - No smoking.
25	Avoid contact with eyes.
29	Do not empty into drains.
33	Take precautionary measures against static discharges.
60	This material and its container must be disposed of as hazardous waste.
61	Avoid release to the environment. Refer to special instructions / Safety data sheets.

**Water contaminating class:** 1 - slightly water contaminating  
**1999/13/EC (VOC):** 89 - 91 %

#### 16. OTHER INFORMATION:

**List of relevant R phrases:**

11	Highly flammable.
36	Irritating to eyes.
38	Irritating to skin.
50	Very toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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**Other data:** Data of 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 product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product (s) and is based on the present level of our 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."(n.a. = not applicable; n.d. = not determined)"