



# SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

## Radiator Stop Leak

**TEC-2000 LTD.**

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

#### 1.1 Product Identifier

Trade Name: TEC-2000 Radiator Stop Leak

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

Application of the substance / the preparation: Cooling system sealant.

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

Manufacturer/Supplier: TEC-2000 LTD., P.O. Box 285, Hitchin, Herts., SG4 9WQ, U.K.

#### 1.4 Emergency telephone number

0044 (Ø) 1462-433 660 - 0044 (Ø) 7831 105386 (24hrs)

UK - National Poisons Emergency: +44 870 600 6266 (24h - health professionals only).

Ireland - National Poisons Information Centre: +353 1 8379964.

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Sens. 1 H317 May cause an allergic skin reaction.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS07

Signal word:

Warning

#### Hazard-determining components of labelling:

1,2-benzisothiazol-3(2H)-one

#### Hazard statements:

H317 May cause an allergic skin reaction.

#### Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Hazardous components:**

CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	≥0.05-≤0.1%
EINECS: 220-120-9	Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
Index number: 613-088-00-6		

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

**After inhalation:** Move patient to fresh air, if symptoms persist consult a doctor.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting Measures****5.1 Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**SECTION 6: Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

**6.2 Environmental precautions**

Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up**

Dispose of the material collected according to regulations.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and Storage**

**7.1 Precautions for safe handling:** Avoid contact with the eyes and skin.

**Information about fire - and explosion protection:**

No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Requirements to be met by storerooms and receptacles:**

Store in a cool, dry place in tightly closed receptacles.

**Information about storage in one common storage facility:**

No special measures required.

**7.3 Specific end use(s):** No further relevant information available.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:		
<b>84-66-2 diethyl phthalate</b>		
WEL (Great Britain)	Short-term value: 10 mg/m <sup>3</sup>	Long-term value: 5 mg/m <sup>3</sup>
<b>1310-73-2 sodium hydroxide</b>		
WEL (Great Britain)	Short-term value: 2 mg/m <sup>3</sup>	
<b>112945-52-5 Silica, amorphous, fumed, cryst.-free</b>		
ACGIH-TLV (Great Britain)	Long-term value: 3 mg/m <sup>3</sup>	Respirable dust
<b>Additional information:</b> The lists valid during the making were used as basis.		

### 8.2 Exposure controls

#### Personal protective equipment

**General protective and hygienic measures:** Immediately remove all soiled and contaminated clothing.

**Respiratory protection:** Not required under normal conditions of use.

#### Protection of hands:



Protective gloves.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Eye protection:



Safety glasses with side-shields (EN 166).

**Body protection:** Protective work clothing.

## SECTION 9: Physical And Chemical Properties

### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance:

**Form:** Liquid.

**Colour:** Dark

**Odour:** Odourless.

**Odour threshold:** Not determined.

**pH-value:** Not determined.

**Melting point/freezing point:** Not determined.

**Initial Boiling point/Boiling range:** 100°C.

**Flash point:** Not determined.

**Flammability (solid, gas):** Not determined.

**Ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Explosive properties:** Product does not present an explosion hazard.

##### Explosion limits:

**Lower:** Not determined.

**Upper:** Not determined.

**Oxidising properties:** Not determined.

**Vapour pressure:** Not determined.

**Density:** Not determined.

**Relative density:** 1.050

**Vapour density:** Not determined.

**Evaporation rate:** Not determined.

**Solubility in / Miscibility with Water:** Soluble.

**Partition coefficient (n-octanol/water):** Not determined.

##### Viscosity:

**Dynamic:** Not determined.

**Kinematic:** Not determined.

**9.2 Other information:** No further relevant information available.

**SECTION 10: Stability and Reactivity**

- 10.1 Reactivity:** No further relevant information available.
- 10.2 Chemical stability**  
**Thermal decomposition / conditions to be avoided:**  
 No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions:** No dangerous reactions known.
- 10.4 Conditions to avoid:** No further relevant information available.
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products:** No further relevant information available.

**SECTION 11: Toxicological Information****11.1 Information on toxicological effects**

<b>Acute toxicity</b> Based on available data, the classification criteria are not met.		
<b>LD/LC50 values:</b>		
<b>112945-52-5 Silica, amorphous, fumed, cryst.-free</b>		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
<b>2634-33-5 1,2-benzisothiazol-3(2H)-one</b>		
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
<b>1310-73-2 sodium hydroxide</b>		
Oral	LD50	2,000 mg/kg (Rat)

**Primary irritant effect:**

- Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- Serious eye damage/irritation:** Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation:** May cause an allergic skin reaction.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

- Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- Carcinogenicity:** Based on available data, the classification criteria are not met.
- Reproductive toxicity:** Based on available data, the classification criteria are not met.
- STOT-single exposure:** Based on available data, the classification criteria are not met.
- STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- Aspiration hazard:** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information****12.1 Toxicity**

<b>Acute toxicity</b> Based on available data, the classification criteria are not met.	
<b>112945-52-5 Silica, amorphous, fumed, cryst.-free</b>	
LC50	>10,000 mg/L (Minnow)
<b>2634-33-5 1,2-benzisothiazol-3(2H)-one</b>	
LC50	7-30 mg/L (Fish)
EC50/72h	0.37 mg/L (Algae)
<b>1310-73-2 sodium hydroxide</b>	
LC50	180 mg/L (Fish)

- 12.2 Persistence and degradability:** No further relevant information available.
- 12.3 Bioaccumulative potential:** No further relevant information available.
- 12.4 Mobility in soil:** No further relevant information available.

**General notes:**

Generally not hazardous for water.

**12.5 Results of PBT and vPvB assessment**

- PBT:** Not applicable.
- vPvB:** Not applicable.

- 12.6 Other adverse effects:** No further relevant information available.

**SECTION 13: Disposal Considerations****13.1 Waste treatment methods**

<b>Recommendation:</b>	Do not allow product to reach sewage system.
<b>Uncleaned packaging</b>	
<b>Recommendation:</b>	Disposal must be made according to official regulations. Packaging that may not be cleansed must be disposed of in the same manner as the product.

**SECTION 14: Transport Information****14.1 UN Number**

ADR, ADN, IMDG, IATA Not applicable.

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA Not applicable.

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA  
Class Not applicable.

**14.4 Packing group**

ADR, IMDG, IATA Not applicable.

**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

**SECTION 15: Regulatory Information.****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

Named dangerous substances – ANNEX I: None of the ingredients are listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other Information.**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.

**Abbreviations and acronyms:**

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
AcuteTox. 4:	Acute toxicity – Category 4
Skin Irrit. 2:	Skin corrosion/irritation – Category 2
Eye Dam. 1:	Serious eye damage/eye irritation – Category 1
Skin Sens. 1:	Skin sensitisation – Category 1
Aquatic Acute 1:	Hazardous to the aquatic environment - acute aquatic hazard – Category 1