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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Name: Hatcrete SCC Pro  
Product Code:

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

- Concrete and mortar admixture.

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

Name of Supplier: PICS Ltd  
Address of Supplier: Unit 2  
Red Shute Hill Ind Estate  
Hermitage  
Newbury  
Berkshire  
RG18 9QL  
UK  
Telephone: +44 (0) 1635 202224  
Email: [info@picsuk.com](mailto:info@picsuk.com)

#### 1.4 Emergency telephone number

Emergency Telephone: +44 (0) 1635 202224  
(office hours only Mon– Fri 08:00 – 17:30)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

In Compliance with EC regulation No. 1272/2008 and its amendments.

- This Mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
- This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
- This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

#### 2.2 Label elements

- Mixture for spray application.

In Compliance with EC regulation No. 1272/2008 and its amendments.

Additional labelling:

EUH210 Safety Data Sheet available on request.

#### 2.3 Other hazards

- The Mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>
- The Mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Composition:

Identification	(EC) 1272/2008	Note	%
CAS: 107-21-1 EC: 203-473-3 REACH: 01-2119456816-28  ETHANE-1,2-DIOL	GHS07, GHS08 Wng Acute Tox. 4, H302 STOT RE 2, H373	[1]	2.5 <= x % < 10

Information on ingredients:

- [1] Substance for which maximum workplace exposure limits are available.

## SECTION 4: First aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

### 4.1 Description of first aid measures

Ingestion

- Seek Medical attention, showing the label.

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

- No data available.

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

- No data available.

## SECTION 5: Firefighting measures

Non-Flammable.

### 5.1 Extinguishing media

- No data available.

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed:

- Carbon Monoxide (CO)
- Carbon Dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

No data available.

## SECTION 6: Accidental release measures

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

- Consult the safety measures listed under heading 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (see section 8).

### 6.2 Environmental precautions

- Contain and control the leaks or spills with non-combustible materials such as sand, earth, vermiculite diatomaceous earth in drums for waste disposal.
- Prevent any material from entering drains or waterways.

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

- Clean preferably with a detergent, do not use solvents.
- Absorb spillage in inert material and shovel up.
- Place in appropriate container.
- Seal containers and label them.
- Remove contaminated material to safe location for subsequent disposal.
- Dispose of contents/container to an authorised waste collection point.

### 6.4 Reference to other sections

- No data available.

## SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the mixture is handled.

### 7.1 Precautions for safe handling

- Always wash hands after handling.

#### Fire Prevention:

- Prevent access by unauthorised personnel.

#### Recommended equipment and procedures:

- For personal protection, see section 8.
- Observe precautions stated on label and also industrial safety regulations.

#### Prohibited equipment and procedures:

- No smoking, eating or drinking in areas where the mixture is used.

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

- No data available.

#### Packaging:

- Always keep in packaging made of an identical material to the original.

### 7.3 Specific end use(s)

- No Data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limits:

European Union (2009/161/EU, 2006/15/EC, 2000/39/EC, 98/24/EC)

CAS	VME-mg/m <sup>3</sup>	VME-ppm	VLE-mg/m <sup>3</sup>	VLE-ppm	Notes
107-21-1	52	20	104	40	Peau

France (INRS - ED984 :2012):

CAS	VME-ppm	VME-mg/m <sup>3</sup>	VLE-ppm	VLE-mg/m <sup>3</sup>	Notes	TMP No
107-21-1	20	52	40	104	*	84

UK / WEL (Workplace exposure limits, EH40/2005, 2007):

CAS	TWA	STEL	Ceiling	Definition	Criteria
107-21-1	20 ppm 52 mg/m <sup>3</sup>	40 ppm 104 mg/m <sup>3</sup>		Sk	

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

**ETHANE-1,2-DIOL (CAS: 107-21-1)**

Final use: Workers.  
 Exposure method: Dermal contact.  
 Potential health effects: Long term systemic effects.  
 DNEL: 106 mg/kg body weight/day

Exposure method: Inhalation.  
 Potential health effects: Long term systemic effects.  
 DNEL: 35 mg of substance/m3

Final use: Consumers.  
 Exposure method: Dermal contact.  
 Potential health effects: Long term systemic effects.  
 DNEL: 53 mg/kg body weight/day

Exposure method: Inhalation.  
 Potential health effects: Long term systemic effects.  
 DNEL: 7 mg of substance/m3

**Predicted no effect concentration (PNEC):**

**ETHANE-1,2-DIOL (CAS: 107-21-1)**

Environmental compartment: Fresh water.  
 PNEC: 10 mg/l

Environmental compartment: Sea water.  
 PNEC: 1 mg/l

Environmental compartment: Intermittent waste water.  
 PNEC: 10 mg/l

Environmental compartment: Fresh water sediment.  
 PNEC: 20.9 mg/kg

Environmental compartment: Waste water treatment plant.  
 PNEC: 199.5 mg/l

**8.2 Exposure controls**

Personal protections measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**Eye/face protection:**

- Avoid contact with eyes.
- Before handling, wear safety goggles in accordance with standard EN166.

(continued)

**Hand protection:**

- Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves Recommended:

- Natural Latex
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVC (Polyvinyl chloride)
- Butyl Rubber (Isobutylene-isoprene copolymer)

**Body Protection:**

- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General information:**

Physical state:	Fluid liquid.
Odour:	Characteristic
Colour:	White

**Important health, safety and environmental information**

pH:	8.00 Slightly Basic
Boiling point/boiling range:	Not Relevant.
Flash point interval:	Not Relevant.
Vapour Pressure (50°C):	Not Relevant.
Density:	>1
Water Solubility:	Soluble.
Melting point/melting range:	Not Relevant.
Self-ignition temperature:	Not Relevant.
Decomposition point/decomposition range:	Not Relevant.

**9.2 Other information**

- No data available.

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

- No data available.

**10.2 Chemical stability**

- This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3 Possibility of hazardous reactions**

- No data available.

**10.4 Conditions to avoid**

- Avoid frost.

**10.5 Incompatible materials**

- No data available.

**10.6 Hazardous decomposition products**

The Thermal decomposition may release/form:

- Carbon Monoxide (CO)
- Carbon Dioxide (CO<sub>2</sub>)

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- No data available.

#### 11.1.1 Substances

##### Acute toxicity:

###### ETHANE-1,2-DIOL (CAS: 107-21-1)

Oral route:	LD50 = 2000 mg/kg
Dermal route:	LD50 > 3500 mg/kg Species: Mouse
Inhalation route (Gas):	LC50 2.5

##### Specific target organ systemic toxicity – repeated exposure:

###### ETHANE-1,2-DIOL (CAS: 107-21-1)

Oral route:	C = 200mg/kg bodyweight/day Species: Rat Duration of exposure: 28 days OECD guideline 407 (Repeated dose 28-day oral Toxicity in rodents)
Dermal route:	C = 200mg/kg bodyweight/day Species: Dog Duration of exposure: 28 Days OECD guideline 410 (Repeated dose dermal Toxicity: 21/28-Day study)

#### 11.1.2 Mixture

- No toxicological data available for the mixture.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### 12.1.1 Substances

###### ETHANE-1,2-DIOL (CAS: 107-21-1)

Fish toxicity:	LC50 = 72860 mg/l Species: Pimephales promelas Duration of exposure: 96h  NOEC = 15380 mg/l Species: Pimephales Promelas Duration of exposure: 35 days
Crustacean toxicity:	EC50 > 100 mg/l Species: Daphnia magna Duration of Exposure: 48h OECD Guideline 202 (daphnia sp. Acute Immobilisation Test)  NOEC = 8590 mg/l Species: Ceriodaphnia dubia

#### 12.1.2 Mixtures

- No aquatic toxicity data available for the mixture.

### 12.2 Persistence and degradability

#### 12.2.1 Substances

###### ETHANE-1,2-DIOL (CAS: 107-21-1)

Biodegradability: no degradability data is available, the substance is considered as not degrading quickly.

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**12.3 Bioaccumulative potential**

- No data available.

**12.4 Mobility in soil**

- No data available.

**12.5 Results of PBT and vPvB assessment**

- No data available.

**12.6 Other adverse effects**

- No data available.
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**SECTION 13: Disposal considerations**

Proper waste management of the mixture and or container must be determined in accordance with Directive 2008/98/EC.

**13.1 Waste treatment methods**

- Do not pour into drains or waterways.

**Waste:**

- Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
- Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
- Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled Packaging:**

- Empty container completely. Keep label(s) on container.
  - Give to certified disposal contractor.
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**SECTION 14: Transport information**

Exempt from transport classification and labelling.

**14.1 UN number**

- Not applicable.

**14.2 UN proper shipping name**

- Not applicable.

**14.3 Transport hazard class(es)**

- Not applicable.

**14.4 Packing group**

- Not applicable.

**14.5 Environmental hazards**

- Not applicable.

**14.6 Special precautions for user**

- No special precautions are required for this product.
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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Classification and labelling information included in section 2:

(continued)

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The Following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (Apt 9)

**Container information:**

- No data available.

**Particular provisions:**

- No data available.

## 15.2 Chemical safety assessment

- No data available.

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## SECTION 16: Other information

- Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.
- The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.
- It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.
- The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the product thereof.

### Wording of the phrases mentioned in section 3:

H302	Harmful if swallowed.
H373	May cause damage to organs through prolonged or repeated Exposure.

### Abbreviations:

DNEL:	Derived No-Effect Level.
PNEC:	Predicted No-Effect Concentration.
ADR:	European agreement concerning the international carriage of dangerous good by Road.
IMDG:	International Maritime Dangerous Goods.
IATA:	International Air Transport Association.
ICAO:	International Civil Aviation Organisation.
RID:	Regulations concerning the International carriage of Dangerous goods by rail.
WGK:	Wassergefährdungsklasse (Water Hazard Class)
PBT:	Persistent, bioaccumulable and toxic.
vPvB:	Very persistent, very bioaccumulable
SVHC:	Substances of very high concern.

--- end of safety datasheet --