



### High Temperature Glue



#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

##### 1.1. Product identifier

Product name	SmartCare High Temperature Glue
Product No.	SA3467
Container size	125ml 250mls
REACH Registration number	01-2119448725-31-0012
CAS-No.	1344-09-8
EC No.	215-687-4

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

Identified uses	Adhesive.
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##### 1.3. Details of the supplier of the safety data sheet

Supplier	IQ Design Unit 20, Millenium Business Park, Cappagh Road, Dublin 11, Ireland. Tel: +353 1 8649004
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##### 1.4. Emergency telephone number

National Emergency Telephone Number	
IQ Design Ltd +353 1 8649004 (Mon-Fri 09:00 - 17:00)	

#### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)	Physical and Chemical Hazards	Not classified.
	Human health	Not classified.
	Environment	Not classified.
Classification (1999/45/EEC)	Not classified.	

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

Human health

The hazardous properties of the product are considered limited. May cause minor irritation on skin contact.

Environment

Not regarded as an environmental hazard under current legislation.

Physical and Chemical Hazards

Alkaline solution

##### 2.2. Label elements

EC No.	215-687-4
Label In Accordance With (EC) No. 1272/2008	
No pictogram required.	

Precautionary Statements

P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### 2.3. Other hazards

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

REACH Registration number 01-2119448725-31-0012

CAS-No. 1344-09-8

EC No. 215-687-4

Composition Comments

Water based alkaline solution.

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

Inhalation

Unlikely route of exposure as the product does not contain volatile substances. In case of inhalation of spray mist: Move person into fresh air and keep at rest. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Skin contact

Wash the skin immediately with soap and water. Remove contaminated clothing immediately and wash skin with soap and water. Remove contaminated clothing. Apply replenishing cream.

Eye contact

Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention if any discomfort continues.

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

General information

Material classified as non-hazardous under current legislation.

Inhalation

Inhalation of mist may cause irritation of respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin contact

There may be irritation and redness at the site of contact

Eye contact

There may be irritation and redness.

**4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

Extinguishing media

This product is not flammable.

Unsuitable extinguishing media

Product is not flammable.

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

Hazardous combustion products

Product is not flammable.

Unusual Fire &amp; Explosion Hazards

N/A.

Specific hazards

This product is waterbased and is not combustible

**5.3. Advice for firefighters**

Special Fire Fighting Procedures

No specific fire fighting procedure given.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. In case of spills, beware of slippery floors and surfaces.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

PERSONAL PROTECTION. Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water.

### 6.4. Reference to other sections

For personal protection, see section 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Observe good chemical hygiene practices. Avoid eating, drinking and smoking when using the product. Wear appropriate personal protective equipment (see Section 8)

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

Store in tightly closed original container in a dry and cool place. Do not allow to freeze. Unsuitable containers: copper, zinc, aluminium, copper alloy, zinc alloy, aluminium alloy. Use container made of: Stainless steel. Store away from: Acids.

Storage Class

Unspecified storage.

### 7.3. 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

Ingredient Comments

No exposure limits noted for ingredient(s).

#### SODIUM SILICATE LIQUID (CAS: 1344-09-8)

Ingredient Comments

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash station.

Hand protection

Wear alkali resistant gloves (PVC, rubber or natural latex) tested according to EN374.

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Acute toxicity:

Acute Toxicity (Oral LD50)

3400 mg/kg Rat

Slightly irritating, not classified as harmful

In case of inhalation, irritation of the respiratory system can be expected. Inhalation LC50 (rat)>2.06 g/m<sup>3</sup>Skin Corrosion/Irritation:

Not classified

Serious eye damage/irritation:

Not classified.

Respiratory or skin sensitisation:

Not Sensitising.

Germ cell mutagenicity:

No evidence of genotoxicity. In vitro/in vivo negative.

Carcinogenicity:

No structural alerts.

Reproductive Toxicity:

Reproductive Toxicity - Fertility

Fertility: NOAEL &gt;159 mg/kg Rat

Reproductive Toxicity - Development

Developmental toxicity: NOAEL &gt;200 mg/kg Mouse

Aspiration hazard:

Not relevant, due to the form of the product.

## Inhalation

Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.

## Ingestion

May cause discomfort if swallowed.

## Skin contact

There maybe irritation at the site of contact

## Eye contact

There maybe irritation and redness.

**SECTION 12: ECOLOGICAL INFORMATION**

## Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**12.1. Toxicity**

Not regarded as dangerous for the environment

Acute Toxicity - Fish

LC50 96 hours 1108 mg/l Brachydanio rerio (Zebra Fish)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours 1700 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours 207 mg/l Scenedesmus subspicatus

**12.2. Persistence and degradability**

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3400 mg/kg Rat

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## Acute Toxicity - Aquatic Invertebrates

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EC50 72 hours 207 mg/l Scenedesmus subspicatus

**12.2. Persistence and degradability**

Inorganic. Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica. They combine with ions like Ca, Mg, Fe, Al and other species to end up as insoluble compounds similar to constituents of natural soils.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

Inorganic. The substance has no potential for bioaccumulation.

### **12.4. Mobility in soil**

Mobility:

Not relevant, due to the form of the product.

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

This product does not contain any PBT or vPvB substances.

### **12.6. Other adverse effects**

The alkalinity of this material will have a local effect on ecosystems sensitive to pH change.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

General information

Dispose of waste and residues in accordance with local authority requirements.

### **13.1. Waste treatment methods**

No specific disposal method required.

Waste Class

Waste Alkaline Solutions: 06 02 99

## **SECTION 14: TRANSPORT INFORMATION**

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **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**

Environmentally Hazardous Substance/Marine Pollutant

No.

### **14.6. Special precautions for user**

Refer to Section 7

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

## **SECTION 15: REGULATORY INFORMATION**

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

## UK Regulatory References

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

## Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

## Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

## Guidance Notes

ECHA: Guidance on the Compilation of safety data sheets. (V1.1, December 2011)

## EU Legislation

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC.

## National Regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended) The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

## Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

## Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

**15.2. Chemical Safety Assessment**

A chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Issued By	Technical Service Manager
Revision Date	18 November 2014
Revision	3
Supersedes date	1 July 2014
SDS No.	11883
	18 November 2014
Risk Phrases In Full	
NC	Not classified.

## Disclaimer

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