

## SAFETY DATA SHEET

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### 1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY/UNDERTAKING

**Product Name:** SURTEST UCA-3HT                      **Unique Reference:** RM580  
**Application:** Ultrasonic inspection of components and structures at elevated temperatures.  
**Company:** ELY CHEMICAL COMPANY  
**Address:** Lisle Lane, Ely, Cambridgeshire, CB7 4AS, England.  
**Telephone:** +44(0)1353 665881                                      **Fax +44(0)1353 664623**

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

A blend of high boiling silicone fluid and inorganic thickening agents.

None of the component materials require notification under the Chemicals (Hazard Information and Packaging for Supply) Regulations.

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### 3. HAZARDS IDENTIFICATION

Possible eye irritation.

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### 4. FIRST AID MEASURES

Summary of first aid is as follows:

**Inhalation:** Material is not volatile and is unlikely to be an inhalation risk under normal conditions of use.

**Skin Contact:** Remove contaminated clothing. Wash off with soap and water. Flush skin with lukewarm water.

**Eye contact:** Immediately flush eyes with water for 15 minutes while holding eyes open. If irritation persists seek medical attention.

**Ingestion:** DO NOT INDUCE VOMITING. Obtain medical attention immediately if significant quantity ingested. Give lukewarm water if completely conscious.

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## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, Alcohol resistant foam, sand, carbon dioxide or dry powder.

**Special Protective Equipment for fire fighters:**

Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear PVC or rubber gloves and chemical goggles.

**Environmental Precautions:** Gelled nature of the product will minimise flow. Contain spill in spillage area. Prevent escape to drains or sewers.

**Methods for cleaning:** Scrape up as much as possible and place into drums for recovery or disposal. Sweep up smaller quantities with sawdust, absorbent granules or similar materials and finally wash spillage area with water and detergent.

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## 7. HANDLING AND STORAGE

**Handling:** Minimise skin contact by use of PVC or rubber gloves. Wear chemical goggles or similar eye protection.

**Storage:** No special measures required.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Take measures to prevent** Contact with eyes.

**Respiratory Protection:** Not applicable.

**Hand Protection:** Not essential. PVC or rubber gloves are recommended to minimise contact.

**Skin Protection:** Normal workwear, long sleeved overalls.

**Eye Protection:** Wear safety glasses or chemical goggles.

**Occupational Exposure Limits:** None assigned. Ensure good industrial hygiene.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Translucent white gel.
Odour:	None detected.
pH:	Not applicable.
Boiling Point/Range:	Above 300°C
Melting Point/Range	Not determined
Flash Point (°C)(PMCC):	Above 315°C
Autoflammability *	Above 400°C
Explosive Properties*	Not determined
Oxidising Properties *	Not determined
Vapour Pressure *	Not determined
Relative Density	Typical 1.0

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## 10. STABILITY AND REACTIVITY

Conditions to Avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: At extreme temperatures, possibly silicon dioxide, carbon dioxide and water.

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## 11. TOXICOLOGICAL INFORMATION

Eye contact: May cause temporary irritation.

Skin contact: No evidence for any harmful effects.

Ingestion: No evidence for any harmful effects.

Inhalation: No evidence for any harmful effects at normal temperatures.

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## 12. ECOLOGICAL INFORMATION

Behaviour: Product is insoluble in water.

Environmental Fate: Material is biologically inert. Related materials have been shown to be unaffected by, and to have no effect on, the activated sludge process, and do not appear to bio-accumulate. Photochemical oxidation conversion to water, silicic acid and carbon dioxide is the expected mode of decomposition.

### 13. DISPOSAL CONSIDERATIONS

Likely residue/waste product: Chemically unchanged product, possibly contaminated with surface scale etc.

Safe Handling of any residues/waste product:

Best disposed of by incineration in a suitable licensed disposal facility.

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### 14. TRANSPORT INFORMATION

Special carriage precautions in carriage (on-site or externally)

Not classified as hazardous under any of the criteria used by UK or international transport regulations.

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### 15. REGULATORY INFORMATION

Supply label information:

Label symbol	None
Risk phrase	None
Safety phrases	S25 - Avoid contact with eyes.

Note: Actual label may not be as above if product was supplied some time previously or labelling is in transition period.

**NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USERS ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION.**

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### 16. OTHER INFORMATION

Recommended uses and restrictions:

**SURTEST UCA-3HT is a silicone based gel for use in the ultrasonic inspection of components and structures, even when such components and structures are at elevated temperatures.**

Sources of key data used to compile Safety Data Sheet:

Raw Material Suppliers Material Safety Data Sheets.

HSE EH40/2002 Occupational Exposure Limits (HSE)

The information in this Safety Data Sheet is based on the present state of our knowledge and on current EEC and National Laws, as users' working conditions are beyond our knowledge and control. The product is not to be used for other purposes other than those specified under SECTION 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in local rules and legislation. The information in this Safety Data Sheet is meant as a description of the safety requirements of our product. It is not to be considered as a guarantee of the products properties.

**SAFETY DATA SHEET FOR SURTEST UCA-3HT**

**Dated 28 April 2006**

The information in this Safety Data Sheet is pursuant to:

- (a) The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.
- (b) OSHA Regulations (Standards - 29CFR) 1910.1200
- (c) Council Directive 92/32/EEC (0J No. L154,5-6-92.p1) amending the 7th time Council Directive 67/457/EEC (03 No. 196, 16-8-67.pl. (0J/SE 1967, p234) in so far as these provisions relate to the classification, packaging and labelling of dangerous substances.
- (d) Council Directive 92/32/EEC (0J N° L154,5-6-92.p1) amending the 7th time Council Directive 67/457/EEC (03 N° 196, 16-8-67.pl. (0J/SE 1967, p234) in so far as these provisions relate to the classification, packaging and labelling of dangerous substances.
- (e) Council Directive 88/379/EEC (0J N° L1187, 16-7-88.p14) as amended by Commission Directive 90/492 EEC (03 N° L275 5-10-90 p35) on the classification ,packaging and labelling of dangerous preparations.
- (f) Commission Directive 91/115/EEC (0J N° L76 22-3-91 p35) on the system of specific information relating to dangerous preparations (Safety Data Sheets) except in so far as those directives relate to the provision of child resistant fastenings for certain packages containing dangerous substances and preparations.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.