



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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SDS No. : 573672  
V003.1

LOCTITE 362 40EN 5C 1.6MM S known as 40EN 362 5C

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

#### 1.1. Product identifier

LOCTITE 362 40EN 5C 1.6MM S known as 40EN 362 5C

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

Intended use:

Solder Wire

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

Henkel Belgium N.V.

Esplanade 1

1020 Brussels

Belgium

Phone: +32 (2) 421 2711

ua-productsafety.uk@henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 (0)1442 278497

### SECTION 2: Hazards identification

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

##### Classification (CLP):

Toxic to reproduction

Category 1A

H360FD May damage fertility. May damage the unborn child.

Effects on or via lactation

H362 May cause harm to breast-fed children.

Specific target organ toxicity - repeated exposure

Category 1

H372 Causes damage to organs (Blood, Kidney, Central Nervous system) through prolonged or repeated exposure (inhalation-dust, oral)

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



Contains

Lead

|                                                |                                                                                                                                                                                                                                                 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word:</b>                            | Danger                                                                                                                                                                                                                                          |
| <b>Hazard statement:</b>                       | H360FD May damage fertility. May damage the unborn child.<br>H362 May cause harm to breast-fed children.<br>H372 Causes damage to organs (Blood, Kidney, Central Nervous system) through prolonged or repeated exposure (inhalation-dust, oral) |
| <b>Supplemental information</b>                | Restricted to professional users.                                                                                                                                                                                                               |
| <b>Precautionary statement:<br/>Prevention</b> | P201 Obtain special instructions before use.<br>P261 Avoid breathing fume.<br>P263 Avoid contact during pregnancy and while nursing.<br>P280 Wear protective gloves/protective clothing.                                                        |
| <b>Precautionary statement:<br/>Response</b>   | P308+P313 IF exposed or concerned: Get medical advice/attention.                                                                                                                                                                                |

**2.3. Other hazards**

This product contains modified rosin.

Avoid breathing fumes given out during soldering.

After handling solder wash hands with soap and water before eating, drinking or smoking.

Flux fumes may irritate the nose, throat and lungs and may after prolonged/repeated exposure give an allergic reaction (asthma).

Keep out of reach of children.

Do not heat above 500 °C

Regulations forbid the use of lead solder in any private or public drinking water supply system.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

### SECTION 3: Composition/information on ingredients

**3.2. Mixtures****Declaration of the ingredients according to CLP (EC) No 1272/2008:**

| Hazardous components<br>CAS-No. | EC Number<br>REACH-Reg No.    | content   | Classification                                                                                                                                                                                                |
|---------------------------------|-------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lead<br>7439-92-1               | 231-100-4<br>01-2119513221-59 | 50- 100 % | Lact.<br>H362<br>Repr. 1A<br>H360FD<br>STOT RE 1; Oral<br>H372<br>STOT RE 1; Inhalation - dust<br>H372<br>=====<br>EU. REACH Candidate List of Substances of<br>Very High Concern for Authorization<br>(SVHC) |
| Tin<br>7440-31-5                | 231-141-8<br>01-2119486474-28 | 25- 50 %  |                                                                                                                                                                                                               |

**For full text of the H - statements and other abbreviations see section 16 "Other information".**

**Substances without classification may have community workplace exposure limits available.**

### SECTION 4: First aid measures

**4.1. Description of first aid measures**

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Do not induce vomiting.

Seek medical advice.

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

Flux fumes may irritate the nose, throat and lungs and may after prolonged/repeated exposure give an allergic reaction (asthma).

Prolonged or repeated contact may cause skin irritation.

Prolonged or repeated contact may cause eye irritation.

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

See section: Description of first aid measures

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media:**

Carbon dioxide, foam, powder

Fine water spray

##### **Extinguishing media which must not be used for safety reasons:**

Do not use water on fires where molten metal is present.

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

High temperatures may produce heavy metal dust, fumes or vapours.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

##### **Additional information:**

The product itself does not burn. Any fire extinguishing action should be appropriate to the surroundings.

### **SECTION 6: Accidental release measures**

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

Avoid contact with skin and eyes.

Wear protective equipment.

Ensure adequate ventilation.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

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

Scrape up spilled material and place in a closed container for disposal.

Dispose of contaminated material as waste according to Section 13.

#### **6.4. Reference to other sections**

See advice in section 8

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

Avoid skin and eye contact.

See advice in section 8

Extraction is necessary to remove fumes evolved during reflow.

When using do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

Avoid breathing fumes given out during soldering.

Do not heat above 500 °C

Hygiene measures:

Good industrial hygiene practices should be observed.

Do not eat, drink or smoke while working.

After handling solder wash hands with soap and water before eating, drinking or smoking.

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

Refer to Technical Data Sheet

**7.3. Specific end use(s)**

Solder Wire

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

| Ingredient [Regulated substance]                                                 | ppm | mg/m <sup>3</sup> | Value type                                                    | Short term exposure limit category / Remarks | Regulatory list |
|----------------------------------------------------------------------------------|-----|-------------------|---------------------------------------------------------------|----------------------------------------------|-----------------|
| Lead<br>7439-92-1<br>[LEAD AND LEAD COMPOUNDS,<br>OTHER THAN LEAD ALKYL (AS PB)] |     | 0,15              | Time Weighted Average (TWA):                                  |                                              | EH40 WEL        |
| Lead<br>7439-92-1<br>[INORGANIC LEAD AND ITS<br>COMPOUNDS]                       |     | 0,15              | Time Weighted Average (TWA):                                  |                                              | EU_OEL          |
| Lead<br>7439-92-1<br>[LEAD]                                                      |     | 0,075             | TWA (40 h) air exposure<br>limit for medical<br>surveillance: |                                              | EU_OEL_II       |
| Lead<br>7439-92-1<br>[LEAD]                                                      |     |                   | Biological Limit Value:                                       |                                              | EU_OEL_II       |
| Lead<br>7439-92-1<br>[LEAD]                                                      |     |                   | Biological Limit Value for<br>medical surveillance:           |                                              | EU_OEL_II       |

#### Occupational Exposure Limits

Valid for  
Ireland

| Ingredient [Regulated substance]                                          | ppm | mg/m <sup>3</sup> | Value type                                                    | Short term exposure limit category / Remarks | Regulatory list |
|---------------------------------------------------------------------------|-----|-------------------|---------------------------------------------------------------|----------------------------------------------|-----------------|
| Lead<br>7439-92-1<br>[LEAD AND ITS COMPOUNDS (EXCEPT<br>TETRAETHYL LEAD)] |     | 0,15              | Time Weighted Average (TWA):                                  | Binding OELV                                 | IR_OEL          |
| Lead<br>7439-92-1<br>[INORGANIC LEAD AND ITS<br>COMPOUNDS]                |     | 0,15              | Time Weighted Average (TWA):                                  |                                              | EU_OEL          |
| Lead<br>7439-92-1<br>[LEAD]                                               |     | 0,075             | TWA (40 h) air exposure<br>limit for medical<br>surveillance: |                                              | EU_OEL_II       |
| Lead<br>7439-92-1<br>[LEAD]                                               |     |                   | Biological Limit Value:                                       |                                              | EU_OEL_II       |
| Lead<br>7439-92-1<br>[LEAD]                                               |     |                   | Biological Limit Value for<br>medical surveillance:           |                                              | EU_OEL_II       |
| Tin<br>7440-31-5<br>[TIN, METAL (AS SN)]                                  |     | 2                 | Time Weighted Average (TWA):                                  | Indicative OELV                              | IR_OEL          |
| Tin<br>7440-31-5<br>[TIN (INORGANIC COMPOUNDS AS<br>SN)]                  |     | 2                 | Time Weighted Average (TWA):                                  | Indicative                                   | ECTLV           |

**Predicted No-Effect Concentration (PNEC):**

| Name on list   | Environmental Compartment    | Exposure period | Value       |     |            |        | Remarks                          |
|----------------|------------------------------|-----------------|-------------|-----|------------|--------|----------------------------------|
|                |                              |                 | mg/l        | ppm | mg/kg      | others |                                  |
| Lead 7439-92-1 | aqua (freshwater)            |                 | 0,0031 mg/l |     |            |        |                                  |
| Lead 7439-92-1 | aqua (marine water)          |                 | 0,0035 mg/l |     |            |        |                                  |
| Lead 7439-92-1 | sewage treatment plant (STP) |                 | 0,1 mg/l    |     |            |        |                                  |
| Lead 7439-92-1 | sediment (freshwater)        |                 |             |     | 174 mg/kg  |        |                                  |
| Lead 7439-92-1 | sediment (marine water)      |                 |             |     | 164 mg/kg  |        |                                  |
| Lead 7439-92-1 | Soil                         |                 |             |     | 212 mg/kg  |        |                                  |
| Lead 7439-92-1 | oral                         |                 |             |     | 10,9 mg/kg |        |                                  |
| Tin 7440-31-5  | aqua (freshwater)            |                 |             |     |            |        | no hazard identified             |
| Tin 7440-31-5  | aqua (marine water)          |                 |             |     |            |        | no hazard identified             |
| Tin 7440-31-5  | sewage treatment plant (STP) |                 |             |     |            |        | no hazard identified             |
| Tin 7440-31-5  | sediment (freshwater)        |                 |             |     |            |        | no hazard identified             |
| Tin 7440-31-5  | sediment (marine water)      |                 |             |     |            |        | no hazard identified             |
| Tin 7440-31-5  | Air                          |                 |             |     |            |        | no hazard identified             |
| Tin 7440-31-5  | Soil                         |                 |             |     |            |        | no hazard identified             |
| Tin 7440-31-5  | Predator                     |                 |             |     |            |        | no potential for bioaccumulation |

**Derived No-Effect Level (DNEL):**

| Name on list  | Application Area   | Route of Exposure | Health Effect                         | Exposure Time | Value    | Remarks              |
|---------------|--------------------|-------------------|---------------------------------------|---------------|----------|----------------------|
| Tin 7440-31-5 | General population | dermal            | Long term exposure - systemic effects |               | 80 mg/kg | no hazard identified |
| Tin 7440-31-5 | Workers            | inhalation        | Long term exposure - systemic effects |               | 71 mg/m3 | no hazard identified |
| Tin 7440-31-5 | Workers            | dermal            | Long term exposure - systemic effects |               | 10 mg/kg | no hazard identified |
| Tin 7440-31-5 | General population | inhalation        | Long term exposure - systemic effects |               | 17 mg/m3 | no hazard identified |
| Tin 7440-31-5 | General population | oral              | Long term exposure - systemic effects |               | 5 mg/kg  | no hazard identified |

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**

Engineering controls:

Extraction is necessary to remove fumes evolved during reflow.

Ensure adequate ventilation, especially in confined areas.

**Respiratory protection:**

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).

This recommendation should be matched to local conditions.

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

Protective eye equipment should conform to EN166.

**Skin protection:**

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

|                                        |                                    |
|----------------------------------------|------------------------------------|
| Appearance                             | solid                              |
|                                        | grey                               |
| Odor                                   | None                               |
| Odour threshold                        | No data available / Not applicable |
| pH                                     | No data available / Not applicable |
| Melting point                          | 183 - 234 °C (361.4 - 453.2 °F)    |
| Solidification temperature             | No data available / Not applicable |
| Initial boiling point                  | No data available / Not applicable |
| Flash point                            | Not applicable                     |
| Evaporation rate                       | No data available / Not applicable |
| Flammability                           | No data available / Not applicable |
| Explosive limits                       | No data available / Not applicable |
| Vapour pressure                        | No data available / Not applicable |
| Relative vapour density:               | No data available / Not applicable |
| Density                                | 9,3 g/cm <sup>3</sup>              |
| ( $\rho$ )                             |                                    |
| Bulk density                           | No data available / Not applicable |
| Solubility                             | No data available / Not applicable |
| Solubility (qualitative)               | Insoluble                          |
| (Solvent: Water)                       |                                    |
| Partition coefficient: n-octanol/water | Not applicable                     |
| Auto-ignition temperature              | No data available / Not applicable |
| Decomposition temperature              | No data available / Not applicable |

|                       |                                    |
|-----------------------|------------------------------------|
| Viscosity             | No data available / Not applicable |
| Viscosity (kinematic) | No data available / Not applicable |
| Explosive properties  | No data available / Not applicable |
| Oxidising properties  | No data available / Not applicable |

**9.2. Other information**

No data available / Not applicable

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Solder alloy will react with concentrated nitric acid to produce toxic fumes of nitrogen oxides.  
Reaction with strong oxidants.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

Stable under normal conditions of storage and use.

**10.5. Incompatible materials**

See section reactivity.

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapors.

## SECTION 11: Toxicological information

**General toxicological information:**

Fumes emitted during soldering may irritate the skin.  
Prolonged or repeated contact may cause eye irritation.  
Prolonged or repeated contact may cause skin irritation.

**11.1. Information on toxicological effects****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value         | Species | Method                                   |
|---------------------------------|---------------|---------------|---------|------------------------------------------|
| Lead<br>7439-92-1               | LD50          | > 2.000 mg/kg | rat     | OECD Guideline 423 (Acute Oral toxicity) |
| Tin<br>7440-31-5                | LD50          | > 2.000 mg/kg | rat     | OECD Guideline 423 (Acute Oral toxicity) |

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value         | Species | Method                                     |
|---------------------------------|---------------|---------------|---------|--------------------------------------------|
| Lead<br>7439-92-1               | LD50          | > 2.000 mg/kg | rat     | OECD Guideline 402 (Acute Dermal Toxicity) |
| Tin<br>7440-31-5                | LD50          | > 2.000 mg/kg | rat     | OECD Guideline 402 (Acute Dermal Toxicity) |

**Acute inhalative toxicity:**

Fumes evolved at soldering temperatures will irritate the nose, throat and lungs. Prolonged or repeated exposure to flux fumes may result in sensitisation in sensitive workers.

| Hazardous substances<br>CAS-No. | Value<br>type | Value       | Test atmosphere | Exposure<br>time | Species | Method                                         |
|---------------------------------|---------------|-------------|-----------------|------------------|---------|------------------------------------------------|
| Lead<br>7439-92-1               | LC50          | > 5,05 mg/l | dust/mist       | 4 h              | rat     | OECD Guideline 403 (Acute Inhalation Toxicity) |

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result         | Exposure<br>time | Species | Method                                                   |
|---------------------------------|----------------|------------------|---------|----------------------------------------------------------|
| Tin<br>7440-31-5                | not irritating |                  | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

**Serious eye damage/irritation:**

Fumes emitted during soldering may irritate the eyes.

| Hazardous substances<br>CAS-No. | Result         | Exposure<br>time | Species | Method                                                |
|---------------------------------|----------------|------------------|---------|-------------------------------------------------------|
| Tin<br>7440-31-5                | not irritating |                  | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

**Respiratory or skin sensitization:**

No data available.

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method                                                                   |
|---------------------------------|----------|--------------------------------------------------------|--------------------------------------------|---------|--------------------------------------------------------------------------|
| Tin<br>7440-31-5                | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)              |
| Tin<br>7440-31-5                | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |         | OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test) |
| Tin<br>7440-31-5                | negative | mammalian cell<br>gene mutation assay                  | with and without                           |         | OECD Guideline 476 (In vitro<br>Mammalian Cell Gene<br>Mutation Test)    |

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result / Value        | Test type | Route of<br>application | Species | Method                                                                             |
|---------------------------------|-----------------------|-----------|-------------------------|---------|------------------------------------------------------------------------------------|
| Tin<br>7440-31-5                | NOAEL P > 1.000 mg/kg |           | oral: gavage            | rat     | OECD Guideline 421<br>(Reproduction /<br>Developmental Toxicity<br>Screening Test) |

**STOT-single exposure:**

No data available.

**STOT-repeated exposure::**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result / Value      | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method                                                                   |
|---------------------------------|---------------------|-------------------------|----------------------------------------------|---------|--------------------------------------------------------------------------|
| Tin<br>7440-31-5                | NOAEL > 1.000 mg/kg | oral: gavage            | 28 days<br>daily                             | rat     | OECD Guideline 407<br>(Repeated Dose 28-Day<br>Oral Toxicity in Rodents) |

**Aspiration hazard:**

No data available.

## SECTION 12: Ecological information

**General ecological information:**

Do not empty into drains / surface water / ground water.

**12.1. Toxicity****Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value | Exposure time | Species             | Method                                            |
|---------------------------------|---------------|-------|---------------|---------------------|---------------------------------------------------|
| Tin<br>7440-31-5                | LC50          |       | 96 h          | Pimephales promelas | OECD Guideline 203 (Fish,<br>Acute Toxicity Test) |

**Toxicity (Daphnia):**

No data available.

**Chronic toxicity to aquatic invertebrates**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value | Exposure time | Species            | Method           |
|---------------------------------|---------------|-------|---------------|--------------------|------------------|
| Tin<br>7440-31-5                | NOEC          |       | 7 d           | Ceriodaphnia dubia | other guideline: |

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value | Exposure time | Species                         | Method                                               |
|---------------------------------|---------------|-------|---------------|---------------------------------|------------------------------------------------------|
| Tin<br>7440-31-5                | EC50          |       | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |
| Tin<br>7440-31-5                | NOEC          |       | 72 h          | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |

**Toxicity to microorganisms**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value | Exposure time | Species                                                | Method                                                                   |
|---------------------------------|---------------|-------|---------------|--------------------------------------------------------|--------------------------------------------------------------------------|
| Tin<br>7440-31-5                | EC50          |       | 3 h           | activated sludge of a<br>predominantly domestic sewage | OECD Guideline 209<br>(Activated Sludge,<br>Respiration Inhibition Test) |

**12.2. Persistence and degradability**

The product is not biodegradable.

No substance data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

The product is insoluble and sinks in water.

No substance data available.

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

| Hazardous substances<br>CAS-No. | PBT / vPvB                                                                                                                      |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Lead<br>7439-92-1               | According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances. |
| Tin<br>7440-31-5                | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.           |

**12.6. Other adverse effects**

No data available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:

Otherwise dispose of in accordance with local and national regulations.

Wherever possible unwanted solder alloy should be recycled for recovery of metal.

Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

Waste code

06 04 05 - wastes containing other heavy metals

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

## SECTION 14: Transport information

**14.1. UN number**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.2. UN proper shipping name**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.3. Transport hazard class(es)**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.4. Packing group**

|      |                     |
|------|---------------------|
| ADR  | Not dangerous goods |
| RID  | Not dangerous goods |
| ADN  | Not dangerous goods |
| IMDG | Not dangerous goods |
| IATA | Not dangerous goods |

**14.5. Environmental hazards**

|      |                |
|------|----------------|
| ADR  | not applicable |
| RID  | not applicable |
| ADN  | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.6. Special precautions for user**

|      |                |
|------|----------------|
| ADR  | not applicable |
| RID  | not applicable |
| ADN  | not applicable |
| IMDG | not applicable |
| IATA | not applicable |

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## SECTION 15: Regulatory information

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

VOC content < 3 %  
(2010/75/EC)

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**National regulations/information (Great Britain):**

## Remarks

The Health & Safety at Work Act 1974.  
The Control of Lead at Work Regulations. L132:Control of Lead at Work: Approved Code of Practice and Guidance.  
The Control of Substances Hazardous to Health Regulations. L5:General Approved Code of Practice to the COSHH Regulations. HS(G)97:A Step by Step Guide to the COSHH Regulations. HS(G)193: COSHH essentials: Easy steps to control chemicals.  
IND (G)248L:Solder fume and you. IND(G)249L:Controlling health risks from rosin (colophony) based solder fluxes.  
Employees should be under medical surveillance if the risk assessment made under the Control of Lead at Work Regulations indicates they are likely to be exposed to significant concentrations of lead, or if an Employment Medical Advisor or appointed doctor so certifies.  
A woman employed on work which exposes her to lead should notify her employer as soon as possible if she becomes pregnant. The Employment Medical Advisor / Appointed Doctor should be informed of the pregnancy.  
Under the Management of Health and Safety at Work Regulations, employers are required to assess the particular risks to health at work of pregnant workers and workers who have recently given birth or who are breast feeding.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H360FD May damage fertility. May damage the unborn child.

H362 May cause harm to breast-fed children.

H372 Causes damage to organs through prolonged or repeated exposure.

**Further information:**

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (ua-productsafety.de@henkel.com) prior to export to other territories than the European Union.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your\_company.com).

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**