# Tinman's Solder Grade C

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758.

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## SECTION 1: Identification of the Substance/mixture and of the Company/Undertaking

### 1.1. Product Identifier

**Product Name:** Tinman's Solder Grade C
**Use:** For leadwork and joining copper pipes.
**Supplier:** Associated Lead Mills Ltd, Unit B, Bingley Road, Hoddesdon, Hertfordshire, EN11 0NX
**TEL:** 01992 444100
**Email:** enquiries@leadsales.co.uk

### 1.2. Composition/Information on Ingredients

| Substance | REACH No. | EC No. | CAS No. | Index No. | % | Classification | Type |
|---|---|---|---|---|---|---|---|
| Lead | 01-2119513221-59 | 231-100-4 | 7439-92-1 | 082-001-00-6 | ≥50 - ≤75 | Repr. 1B, H360FD | [1] [2] |
| Tin | 01-21-119486474-28 | 231-141-8 | 7440-31-5 | N/A | ≥25 - ≤50 | Not classified | [2] |
| Antimony | N/A | 231-146-5 | 7440-36-0 | N/A | ≤3 | Acute Tox. 4, H302 | [1] [2] |

[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.

## SECTION 2: Hazards Identification

### 2.1. Classification of Substance or Mixture

**Classification according to UK CLP Regulation SI 2109/720:** Repr. 1B, H360FD
Lact., H362
STOT RE 2, H373
The product is classified as hazardous.
**Physicochemical Hazards:** No data available.
**Human Health Hazards:** No data available.
**Environmental Hazards:** No data available.

### 2.2. Label Elements

**Hazard Pictograms:**



**Signal Word:** Danger.
**Product Identifiers:** No data available.
**Hazard Statement:** May damage fertility. May damage the unborn child. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure.

#### 2.2.1. Precautionary Statements

**Prevention:** Obtain special instructions before use. Do not breathe dust. Avoid contact during pregnancy and while nursing. Wear protective gloves, protective clothing, eye protection, face protection or hearing protection.
**Response:** IF exposed or concerned, get medical advice or attention.
**Storage:** Not applicable.
**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazardous Ingredients:** No data available.
**Supplemental Label Elements:** Not applicable.
**Annex XVII – Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Mixtures and Articles:** Restricted to professional users.

### 2.3. Other Hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## SECTION 3: First Aid Measures

### 3.1. Description of First Aid Measures

**First Aid Measures After Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
**First Aid Measures After Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
**First Aid Measures After Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
**First Aid Measures After Ingestion:** Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel., If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

#### 3.1.1. Protection of First Aiders

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it or wear gloves.

### 3.2. Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms/Effects After Inhalation:** Adverse symptom may include reduced foetal weight, increase in foetal deaths and/or skeletal malformations.
**Symptoms/Effects After Skin Contact:** Adverse symptom may include reduced foetal weight, increase in foetal deaths and/or skeletal malformations.
**Symptoms/Effects After Eye Contact:** No data available.
**Symptoms/Effects After Ingestion:** Adverse symptom may include reduced foetal weight, increase in foetal deaths and/or skeletal malformations.

### 3.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

**Antidote:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
**Special Treatment:** No specific treatment.

## SECTION 4: Firefighting Measures

### 4.1. Extinguishing Media

**Suitable Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.
**Unsuitable Extinguishing Media:** None known.

### 4.2. Hazards Arising from the Substance or Mixture

**Hazards from the Substance or Mixture:** No specific fire or explosion hazard.
**Hazardous Thermal Decomposition Products:** May produce metal oxide(s).

### 4.3. Advice for Firefighters

**Special Protective Actions for Firefighters:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
**Special Protective Equipment for Firefighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
**Additional Information:** Not applicable.

## SECTION 5: Accidental Release Measures

### 5.1. Personal Precautions, Protective Equipment and Emergency Procedures

**For Non-Emergency Personnel:** No action should be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
**For Emergency Responders:** If specialised clothing is required to deal with the spillage, take note of any suitable or unsuitable materials identified. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

### 5.2. Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 5.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Prevent entry into sewers, water courses, basements or confined areas.

**Methods for Cleaning Up:** When cleaning up a small spill, move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labelled waste container. Dispose of via a licenses waste disposal contractor.
When cleaning up a large spill, move containers from spill area. Approach release from upwind. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labelled waste container. Dispose of via a license waste disposal contractor.
**Other Information:** Not applicable.

## SECTION 6: Handling and Storage

### 6.1. Precautions for Safe Handling

**Protective Measures:** Put on appropriate personal protective equipment. Avoid exposure – obtain special instructions before use. Avoid contact during pregnancy or while nursing. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
**Hygiene Measures:** Eating, drinking or smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

### 6.2. Conditions for Safe Storage, Including any Incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilate area, away from incompatible materials and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully released and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### 6.3. Specific End Use(s)

No data available.

## SECTION 7: Exposure Controls/Personal Protection

### 7.1. Control Parameters

**Occupational Exposure Limits:**

| Substance | Exposure Limit Values |
|---|---|
| Lead | **EH40/2005 WELs (United Kingdom (UK), 1/2020):** TWA: 0.15mg/m³ 8 hours |
| Tin | **EH40/2005 WELs (United Kingdom (UK)):** TWA: 2mg/m³, (As Sn) 8 hours<br>STEL: 4mg/m³, (As Sn) 15 hours |
| Antimony | **EH40/2005 WELs (United Kingdom (UK), 1/2020). [antimony and compounds except stibine as Sb]:** TWA: 0.5mg/m³, (Sb) 8 hours |

**Recommended Monitoring Procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
**Air Contaminants Formed:** No data available.
**Control Banding:** No data available.

**DNEL & PNEC:**

| Substance | Type | Exposure | Value | Population | Effects |
|---|---|---|---|---|---|
| Tin | DNEL | Long term oral | 5mg/kg bw/day | General population | Systemic |
| | DNEL | Long term dermal | 10mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term inhalation | 17mg/m³ | General population | Systemic |
| | DNEL | Long term inhalation | 71mg/m³ | Workers | Systemic |
| | DNEL | Long term dermal | 80mg/kg bw/day | General population | Systemic |
| Antimony | DNEL | Long term inhalation | 0.08mg/m³ | General population | Local |
| | DNEL | Long term inhalation | 0.263mg/m³ | Workers | Local |
| | DNEL | Short term oral | 1.2mg/kg bw/day | General population | Systemic |
| | DNEL | Long term oral | 28mg/kg bw/day | General population | Systemic |
| | DNEL | Long term dermal | 28mg/kg bw/day | General population | Systemic |
| | DNEL | Long term dermal | 56.4mg/kg bw/day | Workers | Systemic |

## 7.2. Exposure Controls

**Appropriate Engineering Controls:** If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
**Thermal Hazards:** No data available.
**Environmental Exposure Controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 7.2.1. Individual Protection Measures

**Personal Protective Equipment Symbol(s):** No data available.
**Hygiene Measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
**Hand Protection:** Chemical-resistant impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
**Body Protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
**Other Skin Protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
**Eye/Face Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
**Respiratory Protection:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## SECTION 8: Physical and Chemical Properties

**Physical State:** Solid [wire/bar, massive form].
**Colour:** Silver/grey.
**Odour:** Not applicable.
**Odour Threshold:** No data available.

**pH:** No data available.
**Melting Point:** 183°C
**Freezing Point:** No data available.
**Boiling Point:** No data available.
**Flash Point:** Not applicable [product does not sustain combustion].
**Evaporation Rate:** No data available.
**Flammability:** Massive metal is not flammable.
**Vapour Pressure:** No data available.
**Vapour Density:** Not applicable.
**Relative Density:** 8.79
**Solubility:** Not soluble.
**Particion Coefficient n-octanol/water:** Not applicable.
**Auto-Ignition Temperature:** Not applicable.
**Decomposition Temperature:** No data available.
**Viscosity:** Not applicable.
**Explosive Properties:** Non-explosive in the presence of open flames, sparks and static discharge, heat and shocks and mechanical impacts.
**Oxidising Properties:** No data available.
**Explosive Limits:** Not applicable.
**Other Information:** No data available.

## SECTION 9: Stability and Reactivity

**Reactivity:** No data available.
**Chemical Stability:** The product is stable.
**Possibility of Hazardous Reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.
**Conditions to Avoid:** No data available.
**Incompatible Materials:** No data available.
**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 10: Toxicological Information

### 10.1. Information on Toxicological Effects

**Acute Toxicity:**

| Substance | Result | Species | Dose | Oral (mg/kg) |
|---|---|---|---|---|
| Grade C | N/A | N/A | N/A | 20833.3 |
| Antimony | LD50 oral | Rat | 100mg/kg | 500 |
| | LD50 oral | Rat | 7000mg/kg | |

**Skin Irritation/Corrosion:** No data available.
**Serious Eye Damage/Irritation:** No data available.
**Respiratory or Skin Sensitisation:** No data available.
**Germ Cell Mutagenicity:** No known significant effects or critical hazards.
**Carcinogenicity:** Human: LEAD crosses the placental barrier. CHRONIC OVEREXPSOURE EFFECTS; Increase of LEAD LEVEL in blood, muscle soreness, metallic taste, abdominal cramps, headaches. (Note: the above statements apply to ingested and/or inhaled particles [dust; fumes]) Overexposure to tin oxide fumes may result in benign pneumoconiosis (stannosis). Repeated and prolonged contact with bare skin may cause irritation, dermatitis and/or an allergic reaction (sensitisation) in susceptible individuals.
**Reproductive Toxicity:** May damage fertility. May damage the unborn child. May cause harm to breast-fed children.
**Teratogenicity:** No data available.

**Specific Target Organ Toxicity (single exposure):** No data available.
**Specific Target Organ Toxicity (repeated exposure):** No data available.
**Aspiration Hazard:** No data available.

## 10.2. Information on the Likely Routes of Exposure

Routes of entry not anticipated: dermal.

## 10.3. Potential Acute Health Effects

**Eye Contact:** No known significant effects or critical hazards.
**Inhalation:** No known significant effects or critical hazards.
**Skin Contact:** No known significant effects or critical hazards.
**Ingestion:** No known significant effects or critical hazards.

## 10.4. Symptoms Related to the Physical, Chemical and Toxicological Characteristics

**Eye Contact:** No data available.
**Inhalation:** Adverse symptoms may include reduced foetal weight, increase in foetal deaths and/or skeletal malformations.
**Skin Contact:** Adverse symptoms may include reduced foetal weight, increase in foetal deaths and/or skeletal malformations.
**Ingestion:** Adverse symptoms may include reduced foetal weight, increase in foetal deaths and/or skeletal malformations.

## 10.5. Potential Delayed, Immediate and Chronic Effects from Short- and Long-Term Exposure

### 10.5.1. Short Term Exposure

**Immediate Effects:** No data available.
**Delayed Effects:** No data available.

### 10.5.2. Long Term Exposure

**Immediate Effects:** No data available.
**Delayed Effects:** No data available.

### 10.5.3. Potential Chronic Health Effects

No data available.

## 10.6. Conclusion/Summary

**General:** May cause damage to organs through prolonged or repeated exposure.
**Other Information:** To the best of the supplier's knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability if any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, the supplier cannot guarantee that these are the only hazards that exist.

## SECTION 11: Ecological Information

**Toxicity:**

| Substance | Result | Species | Exposure |
|---|---|---|---|
| Lead | Acute EC50 105 ppb Marine water | Algae – Diatom – Chaetoceros sp. – Exponential growth phase | 72 hours |
| | Acute EC50 0.489mg/l Marine water | Algae – Green algae – Ulva pertusa | 96 hours |
| | Acute EC50 8000µg/l Fresh water | Aquatic plants – Duckweed – Lemna minor | 4 days |
| | Acute LC50 530µg/l Fresh water | Crustaceans – Water flea – Ceriodaphnia reticulata | 48 hours |
| | Acute LC50 0.594mg/l Fresh water | Daphnia – Water flea – Daphnia magna | 48 hours |
| | Acute LC50 0.44 ppm Fresh water | Fish – common carp – Cyprinus carpio – Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| | Chronic NOEC 0.25mg/l Marine water | Algae – Green algae – Ulva pertusa | 96 hours |
| | Chronic NOEC 0.03µg/l Fresh water | Fish – common carp – Cyprinus carpio | 4 weeks |
| Antimony | Acute LC50 18000µg/l Fresh water | Daphnia – Water flea – Daphnia magna | 48 hours |
| | Acute LC50 22mg/l Fresh water | Fish – Fathead minnow – Pimephales promelas | 96 hours |

**Persistence and Degradability:** No data available.
**Bio accumulative Potential:** No data available.
**Mobility in Soil:** No data available.
**Results of PBT and vPvB Assessment:** This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
**Other Adverse Effects:** No known significant effects or critical hazards.

## SECTION 12: Disposal Considerations

### 12.1. Waste Treatment Methods

#### 12.1.1. Product

**Methods of Disposal:** The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licenced waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
**Hazardous Waste:** The classification of the product may meet the criteria for hazardous waste.

#### 12.1.2. Packaging

**Methods of Disposal:** The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
**Special Precautions:** This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spiled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 13: Transport Information

### 13.1. Transport Information

Not regulated.

### 13.2. Special Precautions for User

**Overland Transport:** No data available.
**Transport by Sea:** No data available.
**Air Transport:** No data available.
**Inland Waterway Transport:** No data available.
**Rail Transport:** No data available.
**Transport Within User's Premises:** Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### 13.3. Transport in Bulk according to Annex II of MARPOL and the IBC Code

No data available.

## SECTION 14: Regulatory Information

### 14.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

#### 14.1.1. Regulations

**Prior Informed Consent (PIC):**

| Part | Substance | Status |
|---|---|---|
| Part 1 | Lead compounds | Listed |

**National regulations:**

| Susbtance | List Name | Name on List | Classification |
|---|---|---|---|
| Lead | UK Occupational Exposure Limits EH40 - WEL | Lead | Carc. |

**Listed EU Regulations:** Industrial emissions (integrated pollution prevention and control) – Air.
Industrial emissions (integrated pollution prevention and control) – Water.

#### 14.1.2. Container Information

**Substances of Very High Concern:** Lead can be toxic to reproduction.

#### 14.1.3. Provisions

No data available.

### 14.2. Chemical Safety Assessment

**International Regulations:** This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 15: Other Information

To the best of the supplier's knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

## 15.1. Abbreviations and Acronyms

**ATE:** Acute Toxicity Estimate
**GB CLP:** UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments.
**DMEL:** Derived Minimal Effect Level.
**DNEL:** Derived No Effect Level.
**EUH Statement:** GB CLP-specific Hazard statement.
**N/A:** Not applicable/available.
**PBT:** Persistent, Bio accumulative and Toxic.
**PNEC:** Predicted No Effect Concentration.
**RRN:** REACH Registration Number.
**SGG:** Segregation Group.
**vPvB:** Very Persistent and Very Bio accumulative.

## 15.2. Key Literature References and Sources for Data

ACGIH, Threshold Limit Values. 1994-1995.
Canada Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient Disclosure List".
CFR29, OSHA's Permissible Exposure Limits, revision July, 1993.
CFR29, part 1910. 1200 Hazard Communication.
CHEMTOX database.
Components' manufacturer's Material Safety Data Sheet.
CRC Handbook of chemistry and physics, 67 th edition, CRC Press inc., Boca Raton, Florida.
CSST (Comission de Santé et Sécurité au Travail), document #RT-12: Classification of Certain Chemical Substances.
IATA, Dangerous Goods Regulations, 37$^{th}$ edition (January 1, 1996).
NFPA, Fire Protection Guide to Chemical Hazards, 11$^{th}$ edition.
NIOSH, Pocket Guide to Chemical Hazards, revision June 1994.
Sigma-Alrich handbook of fine chemicals, 1998.
TSCA (Toxic Substance Control Act), Chemical Substance Inventory List, 1985.

## 15.3. Procedure Used to Derive the Classification

| Classification | Justification |
|---|---|
| Repr. 1B, H360FD | Calculation method |
| Lact., H362 | Calculation method |
| STOT RE 2, H373 | Calculation method |

## 15.4. Full Text of Abbreviated H Statements

**H302:** Harmful if swallowed.
**H360FD:** May damage fertility. May damage the unborn child.
**H362:** May cause harm to breast-fed children.
**H373:** May cause damage to organs through prolonged or repeated exposure.

## 15.5. Full Text of Classifications

**Acute Tox. 4:** ACUTE TOXICITY – Category 4.
**Lact.:** TOXIC TO REPRODUCTION – Effects on or via lactation.
**Repr. 1B:** TOXIC TO REPRODUCTION – Category 1B.
**STOT RE 2:** SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 2.