# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and
Regulation (EC) No. 1272/2008

**Supercedes date** 17-Aug-2023 **Revision date** 11-Dec-2025 **Revision Number** 1.01

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

### 1.1. Product identifier

**Product Code(s)** HA **** / HB **** / HI ****

**Product Name** Hybridisation Solution

**Synonyms** None

**Pure substance/mixture** Mixture

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

**Recommended use** Laboratory chemicals
For professional use only

**Uses advised against** None known

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

**Manufacturer**
Cytocell Ltd., Oxford Gene Technology
418 Cambridge Science Park,
Milton Road,
Cambridge
CB4 0PZ, United Kingdom
T: +44 (0)1223 294048
F: +44 (0)1223 294986
probes@cytocell.com
http://www.ogt.com

**Supplier**
Sysmex Europe SE
Deelböge 19D
22297 Hamburg
Germany
T: +49 (40) 527 26 0

**For further information, please contact**
**E-mail address** probes@cytocell.com

### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1223 294048 (Monday - Friday, 9am - 5pm)

| **Emergency telephone - §45 - (EC)1272/2008** | |
|---|---|
| **Europe** | **112** |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

***Classification according to Regulation (EC) No. 1272/2008 [CLP]***
- (H315) - (H319)

| | |
|---|---|
| **Reproductive toxicity** | Category 1B - (H360D) |

## 2.2. Label elements

Contains Formamide

**Signal word**
Danger

**Hazard statements**
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H360D - May damage the unborn child.

**Precautionary Statements - EU (§28, 1272/2008)**
P201 - Obtain special instructions before use.
P264 - Wash skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection and face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 - IF exposed or concerned: Get medical advice/attention.
P501 - Dispose of contents/containers in accordance with local regulations.

## 2.3. Other hazards

**Other hazards** The product does not contain any substance(s) classified as PBT or vPvB.

**PBT or vPvB properties** None known.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

# SECTION 3: Composition/information on ingredients

## 3.1. Substances

Not applicable

## 3.2. Mixtures

| Chemical name | Weight-% | REACH registration number | EC No. (Index No.) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | Notes |
|---|---|---|---|---|---|---|---|---|
| Formamide 75-12-7 | 65-85 | No data available | 200-842-0 (616-052-00-8) | Repr. 1B (H360D) | - | - | - | - |
| Dextran sulfate sodium 9011-18-1 | 10-30 | No data available | - | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) | - | - | - | - |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sodium chloride 7647-14-5 | <1 | No data available | 231-598-3 | [C] | - | - | - | - |

*Classification according to Regulation (EC) No. 1272/2008 [CLP] - Notes*

*[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring*

**Full text of H- and EUH-phrases: see section 16**

***Acute Toxicity Estimate***

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---|---|---|---|---|---|
| Formamide 75-12-7 | 5577 | 6000 | 21.021 | No data available | No data available |
| Dextran sulfate sodium 9011-18-1 | 20600 | No data available | No data available | No data available | No data available |
| Sodium chloride 7647-14-5 | 3550 | 10010 | 10.5105 | No data available | No data available |

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59).

| Chemical name | CAS No. | SVHC candidates |
|---|---|---|
| Formamide | 75-12-7 | X |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur. Remove person to fresh air and keep comfortable for breathing.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**Skin contact** Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

**Symptoms** May cause redness and tearing of the eyes. Burning sensation. Skin irritation.

**Effects of Exposure** Contains a known or suspected reproductive toxin. May damage the unborn child.

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

**Note to doctors** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Dry chemical, CO2, water spray or alcohol-resistant foam.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** No information available.

**Hazardous combustion products** Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon oxides. Sodium oxides. Nitrogen oxides (NOx). Hydrogen cyanide. Ammonia.

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. See section 8 for more information. Avoid breathing vapours or mists. Do not touch or walk through spilled material.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

**Methods for cleaning up** Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water. Wash thoroughly after handling.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash it before reuse. Wear personal protective equipment. Wash hands thoroughly after handling.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

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

**Storage Conditions** Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from Incompatible materials.

**Storage class (TRGS 510)** LGK 6.1C.

### 7.3. Specific end use(s)

**Specific use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits**

| Chemical name | Austria | Belgium | Bulgaria | Croatia |
|---|---|---|---|---|
| Formamide<br>75-12-7 | TWA-TMW: 9 ppm;<br>TWA-TMW: 16 mg/m$^3$;<br>STEL-KZGW: 18 ppm (4 X 15 min);<br>STEL-KZGW: 32 mg/m$^3$ (4 X 15 min);<br>Sk | TWA: 10 ppm;<br>TWA: 18 mg/m$^3$;<br>Sd | TWA: 15.0 mg/m$^3$;<br>STEL: 30.0 mg/m$^3$; | TWA-GVI: 20 ppm;<br>TWA-GVI: 37 mg/m$^3$;<br>STEL-KGVI: 30 ppm;<br>STEL-KGVI: 56 mg/m$^3$; |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia |
| Formamide<br>75-12-7 | - | - | TWA: 10 ppm;<br>TWA: 18 mg/m$^3$;<br>STEL: 20 ppm;<br>STEL: 36 mg/m$^3$;<br>pSk | TWA: 10 ppm;<br>TWA: 20 mg/m$^3$;<br>STEL: 15 ppm;<br>STEL: 30 mg/m$^3$;<br>Sk |
| Chemical name | Finland | France | Germany TRGS | Germany DFG |
| Formamide<br>75-12-7 | TWA: 10 ppm;<br>TWA: 19 mg/m$^3$;<br>STEL: 20 ppm;<br>STEL: 37 mg/m$^3$;<br>pSk | TWA-VME: 20 ppm;<br>TWA-VME: 30 mg/m$^3$; | - | Sk |
| Chemical name | Greece | Hungary | Italy MDLPS | Italy AIDII |
| Formamide<br>75-12-7 | TWA: 20 ppm;<br>TWA: 30 mg/m$^3$;<br>STEL: 30 ppm;<br>STEL: 45 mg/m$^3$;<br>pSk | - | - | TWA: 10 ppm;<br>TWA: 18.4 mg/m$^3$;<br>pSk |
| Chemical name | Ireland | Latvia | Lithuania | Luxembourg |
| Formamide<br>75-12-7 | TWA: 10 ppm;<br>TWA: 18 mg/m$^3$; | - | TWA-IPRD: 10 ppm;<br>TWA-IPRD: 20 mg/m$^3$; | - |

| | | | | |
|---|---|---|---|---|
| | STEL: 30 ppm (calculated); STEL: 54 mg/m$^3$ (calculated); | | STEL-TPRD: 15 ppm; STEL-TPRD: 30 mg/m$^3$; Sk | |
| Sodium chloride 7647-14-5 | - | TWA: 5 mg/m$^3$; | TWA-IPRD: 5 mg/m$^3$; | - |
| Chemical name | Malta | Netherlands | Norway | Poland |
| Formamide 75-12-7 | - | - | TWA: 10 ppm; TWA: 18 mg/m$^3$; STEL: 20 ppm (value calculated); STEL: 27 mg/m$^3$ (value calculated); Sk | TWA-NDS: 23 mg/m$^3$; Sk |
| Chemical name | Portugal | Romania | Slovakia | Slovenia |
| Formamide 75-12-7 | TWA (VLE-MP): 10 ppm; pSk | TWA: 11 ppm; TWA: 20 mg/m$^3$; STEL: 16 ppm; STEL: 30 mg/m$^3$; | - | - |
| Chemical name | Spain | Sweden | Switzerland | United Kingdom |
| Formamide 75-12-7 | TWA-(VLA-ED): 10 ppm; TWA-(VLA-ED): 19 mg/m$^3$; pSk | TLV-NGV: 10 ppm; TLV-NGV: 20 mg/m$^3$; STEL (Vägledande KGV): 15 ppm; STEL (Vägledande KGV): 30 mg/m$^3$; Sk | TWA-MAK: 10 ppm; TWA-MAK: 18 mg/m$^3$; Sk | TWA: 20 ppm; TWA: 37 mg/m$^3$; STEL: 30 ppm; STEL: 56 mg/m$^3$; |

**Biological occupational exposure limits**
This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

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

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Sodium chloride 7647-14-5 | - | 295.52 mg/kg bw/day [4] [6]<br>295.52 mg/kg bw/day [4] [7] | 2068.62 mg/m$^3$ [4] [6]<br>2068.62 mg/m$^3$ [4] [7] |

**Notes**
**[4]** Systemic health effects.
**[6]** Long term.
**[7]** Short term.

**Derived No Effect Level (DNEL) - General Public**

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Sodium chloride 7647-14-5 | 126.65 mg/kg bw/day [4] [6]<br>126.65 mg/kg bw/day [4] [7] | 126.65 mg/kg bw/day [4] [6]<br>126.65 mg/kg bw/day [4] [7] | 443.28 mg/m$^3$ [4] [6]<br>443.28 mg/m$^3$ [4] [7] |

**Notes**
**[4]** Systemic health effects.
**[6]** Long term.
**[7]** Short term.

**Predicted No Effect Concentration (PNEC)**

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|---|---|---|---|---|---|
| Formamide 75-12-7 | 0.5 mg/L | 5 mg/L | 0.5 mg/L | - | - |
| Sodium chloride 7647-14-5 | 5 mg/L | - | - | - | - |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---|---|---|---|---|---|
| Formamide 75-12-7 | 1.26 mg/kg sediment dw | - | 100 mg/L | 0.151 mg/kg soil dw | - |
| Sodium chloride 7647-14-5 | - | - | 500 mg/L | 4.86 mg/kg soil dw | - |

**8.2. Exposure controls**

**Engineering controls** Showers
Eyewash stations
Ventilation systems.

**Personal protective equipment**

**Eye/face protection** Eye protection must conform to standard EN 166. If splashes are likely to occur, wear safety glasses with side-shields.

**Hand protection** Gloves must conform to standard EN 374. Wear suitable gloves. Impervious gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

## SECTION 9: Physical and chemical properties

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

**Appearance**

**Physical state** Liquid
**Colour** Varies
**Odour** Odourless
**Odour threshold** No information available

| Property | Values | Remarks • Method |
|---|---|---|
| **Melting point / freezing point** | | No data available |
| **Boiling point or initial boiling point and boiling range** | | No data available |
| **Flammability** | | No data available |
| **Lower and upper explosion limit/flammability limit** | | |

| | | |
|---|---|---|
| **Lower explosion limit** | | Not applicable |
| **Upper explosion limit** | | Not applicable |
| **Flash point** | 154 °C | |
| **Autoignition temperature** | | No data available |
| **Decomposition temperature** | | No data available |
| **SADT (°C)** | | No data available |
| **pH** | | Not applicable |
| **pH (as aqueous solution)** | | No data available |
| **Kinematic viscosity** | | No data available |
| **Dynamic viscosity** | | No data available |
| **Water solubility** | | No data available |
| **Solubility** | | No data available |
| **Partition coefficient n-octanol/water (log value)** | | No data available |
| **Vapour pressure** | | No data available |
| **Density and/or relative density** | | No data available |
| **Bulk density** | | No data available |
| **Liquid Density** | | No data available |
| **Relative vapour density** | | No data available |
| **Particle characteristics** | | |
| **Particle Size** | | No data available |
| **Particle Size Distribution** | | No data available |

**9.2. Other information**

| | |
|---|---|
| **Molecular weight** | No information available |
| **VOC content** | No information available |
| **Softening point** | No information available |

**9.2.1. Information with regards to physical hazard classes**

| | |
|---|---|
| **Explosives** | |
| Explosive properties | No information available |
| **Oxidising properties** | No information available |

**9.2.2. Other safety characteristics**

No information available

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

**Reactivity** None under normal use conditions.

**10.2. Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**

| | |
|---|---|
| **Sensitivity to mechanical impact** | None. |
| **Sensitivity to static discharge** | None. |

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid** Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents. Metals. Sulphur trioxide.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides. Nitrogen oxides (NOx). Silicon oxides. Hydrogen cyanide. Ammonia.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Information on likely routes of exposure

**Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** May cause redness and tearing of the eyes. Burning sensation. Skin irritation.

**Acute toxicity** Based on available data, the classification criteria are not met.

**Numerical measures of toxicity** Based on available data, the classification criteria are not met.

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Formamide | = 5577 mg/kg ( Rat ) | = 6 g/kg ( Rabbit ) | > 21 mg/L ( Rat ) 4 h |
| Dextran sulfate sodium | = 20600 mg/kg ( Rat ) | - | - |
| Sodium chloride | = 3550 mg/kg ( Rat ) | > 10000 mg/kg ( Rabbit ) | > 42 mg/L ( Rat ) 1 h |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Classification based on data available for ingredients. May damage the unborn child.
Reproductive toxicity
The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

| Chemical name | European Union |
|---|---|
| Formamide | Repr. 1B |

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**Endocrine disruption for human health** Based on available data, the classification criteria are not met.

**11.2.2. Other information**

**Other adverse effects** No information available.

## SECTION 12: Ecological information

**12.1. Toxicity** Not considered to be harmful to aquatic life.

| Chemical name | Fish | Crustacea | Algae/aquatic plants | Toxicity to microorganisms |
|---|---|---|---|---|
| Formamide | LC50: =9135mg/L (96h, Brachydanio rerio) | EC50: >500mg/L (48h, Daphnia magna) | EC50: >500mg/L (72h, Desmodesmus subspicatus)<br>EC50: >500mg/L (96h, Desmodesmus subspicatus) | - |
| Sodium chloride | LC50: 5560 - 6080mg/L (96h, Lepomis macrochirus)<br>LC50: =12946mg/L (96h, Lepomis macrochirus)<br>LC50: 6020 - 7070mg/L (96h, Pimephales promelas)<br>LC50: =7050mg/L (96h, Pimephales promelas)<br>LC50: 6420 - 6700mg/L (96h, Pimephales promelas)<br>LC50: 4747 - 7824mg/L | EC50: =1000mg/L (48h, Daphnia magna)<br>EC50: 340.7 - 469.2mg/L (48h, Daphnia magna) | - | - |

| | | | | |
|---|---|---|---|---|
| | (96h, Oncorhynchus mykiss) | | | |

| Chemical name | Earthworm | Avian | Honeybees |
|---|---|---|---|
| Sodium chloride | Acute Toxicity: LC50 0.1 - 1 mg/cm2 (Eisenia foetida, 48 h filter paper) | - | - |

**12.2. Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) | Trophic magnification factor (TMF) |
|---|---|---|---|
| Formamide | -0.82 | - | - |

**12.4. Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment** No information available.

| Chemical name | PBT and vPvB assessment |
|---|---|
| Formamide | Not PBT/vPvB |
| Sodium chloride | Not PBT/vPvB |

**12.6. Endocrine disrupting properties** Based on available data, the classification criteria are not met.

**12.7. Other adverse effects** No information available.

**PMT or vPvM properties** Based on available data, the classification criteria are not met.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**Waste codes / waste designations according to EWC / AVV** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

**IATA** Not regulated

| | |
|---|---|
| **14.1 UN number or ID number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user Special Provisions** | None |

**IMDG** Not regulated

| | |
|---|---|
| **14.1 UN number or ID number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user Special Provisions** | None |
| **14.7 Maritime transport in bulk according to IMO instruments** | No information available |

**RID** Not regulated

| | |
|---|---|
| **14.1 UN number or ID number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user Special Provisions** | None |

**ADR** Not regulated

| | |
|---|---|
| **14.1 UN number or ID number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not regulated |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user Special Provisions** | None |

**ADN**

| | |
|---|---|
| **14.1 UN number or ID number** | Not regulated |
| **14.2 UN proper shipping name** | Not regulated |
| **14.3 Transport hazard class(es)** | Not regulated |
| **14.4 Packing group** | Not applicable |
| **14.5 Environmental hazard** | Not applicable |
| **14.6 Special precautions for user Special Provisions** | None |

## SECTION 15: Regulatory information

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

**National regulations**

**France**

**Occupational Illnesses (R-463-3, France)**

| Chemical name | French RG number |
|---|---|
| Sodium chloride<br>7647-14-5 | RG 78 |

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

**Chemical Prohibition Ordinance (ChemVerbotsV)**
Not applicable.

**TRGS 905** Not applicable

**Netherlands**
**Carcinogenic, mutagenic and reproductive toxic effects**

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|---|---|---|---|
| Formamide<br>75-12-7 | - | - | Development Category 1B |

**Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018** Not applicable
**Storage of Hazardous Material** Not applicable
**WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20** Not applicable
**Major Accidents Ordinance SR 814.012** Not applicable

**European Union**
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorisations and/or restrictions on use:**
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorisation per REACH Annex XIV |
|---|---|---|
| Formamide<br>75-12-7 | 30<br>75 | - |

**Persistent Organic Pollutants**
Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 2024/590**
Not applicable.

**EU - Plant Protection Products (1107/2009/EC)**

| Chemical name | EU - Plant Protection Products (1107/2009/EC) |
|---|---|
| Sodium chloride<br>7647-14-5 | Plant protection agent |

**Biocidal Products Regulation (EU) No 528/2012 (BPR)**

| Chemical name | Biocidal Products Regulation (EU) No 528/2012 (BPR) |
|---|---|
| Sodium chloride<br>7647-14-5 | Product-type 1: Human hygiene |

**Explosives Precursors Marketing and Use (2019/1148)**
Not applicable.

**International Inventories**
Contact supplier for inventory compliance status

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available.

## SECTION 16: Other information

**Full text of any hazard and/or precautionary statements referred to under Sections 2-15**
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H360D - May damage the unborn child
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves, protective clothing, eye protection and face protection
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P321 - Specific treatment (see supplemental first aid instructions on this label)
P332 + P313 - If skin irritation occurs: Get medical advice/attention
P362 + P364 - Take off contaminated clothing and wash it before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P405 - Store locked up
P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable

**Key or legend to abbreviations and acronyms used in the safety data sheet**
*List may include phrases which are not applicable to this product*

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| AIDII | Italian Association of Industrial Hygienists |
| ADN | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe) |
| ADR | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe) |
| AIIC | Australian Inventory of Industrial Chemicals |
| ATE | Acute Toxicity Estimate |
| ASTM | American Society for the Testing of Materials |
| bar | Biological Reference Values for Chemical Compounds in the Work Area |
| BAT | Biological tolerance values for occupational exposure |
| BEL | Biological exposure limits |
| bw | Body weight |
| Ceiling | Maximum limit value |
| CLP | Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008 |
| CMR | Carcinogen, Mutagen or Reproductive Toxicant |
| DFG | German Research Foundation |
| DOT | Department of Transportation (United States) |
| DSL | Domestic Substances List (Canada) |
| ECHA | European Chemicals Agency |
| EC Number | European Community number |
| EmS | Emergency Schedule |
| ENCS | Existing and New Chemical Substances (Japan) |
| EPA | U.S. Environmental Protection Agency |
| EWC | European Waste Codes |

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|---|---|
| GHS | Globally Harmonized System |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IBC | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO | International Civil Aviation Organisation |
| IECSC | Inventory of Existing Chemical Substances in China |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Organisation for Standardisation |
| KECI | Korean Existing Chemicals Inventory |
| LC50 | Lethal Concentration to 50% of a test population |
| LD50 | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| MAK | Maximum Concentration at the Workplace |
| MAL | Measuring Technical Hygienic Air Needs |
| MARPOL | International Convention for the Prevention of Pollution from Ships |
| MDLPS | Ministry of Labour and Social Policy |
| n.o.s. | Not Otherwise Specified |
| NOAEC | No Observed Adverse Effect Concentration |
| NOAEL | No Observed Adverse Effect Level |
| NOELR | No Observable Effect Loading Rate |
| NZIoC | New Zealand Inventory of Chemicals |
| OECD | Organization for Economic Cooperation and Development |
| OEL | Occupational exposure limits |
| PBT | Persistent, Bioaccumulative and Toxic substance |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances |
| PMT | Persistent, Mobile and Toxic |
| PPE | Personal protective equipment |
| QSAR | Quantitative Structure Activity Relationship |
| REACH | Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006) |
| RID | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe) |
| SADT | Self-Accelerating Decomposition Temperature |
| SAR | Structure-activity relationship |
| SDS | Safety Data Sheet |
| SL | Surface Limit |
| STEL | Short Term Exposure Limit |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| SVHC | Substance of very high concern |
| TCSI | Taiwan Chemical Substance Inventory |
| TDG | Transport of Dangerous Goods (Canada) |
| TRGS | Technical Rule for Hazardous Substances |
| TSCA | Toxic Substances Control Act (United States) |
| TWA | Time-Weighted Average |
| UN | United Nations |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| vPvM | Very Persistent and Very Mobile |
| As | Allergenic substance |
| C | Carcinogen |
| DS | Dermal Sensitizer |
| Ot | Ototoxicant |
| pOt | Ototoxicant - potential to cause hearing disorders |
| PS | Photosensitiser |
| RS | Respiratory Sensitiser |
| S | Sensitiser |

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| poS | Sensitizer - capable of causing occupational asthma |
| Sa | Simple asphyxiant |
| Sd | Skin designation |
| pSd | Skin designation - potential for cutaneous absorption |
| Sdv | Skin designation - vacated |
| Sk | Skin notation |
| dSk | Skin notation - danger of cutaneous absorption |
| pSk | Skin notation - potential for cutaneous absorption |

| Classification procedure | |
|---|---|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - vapour | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitisation | Calculation method |
| Skin sensitisation | Calculation method |
| Mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

**Key literature references and sources for data used to compile the SDS**
U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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**Disclaimer**
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**End of Safety Data Sheet**