# 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

**SDS # :** A-10666

# Xerox Replacement Cartridges - Black

**Issuing Date** 07-28-2021 **Revision date** 10-04-2025 **Revision Number** 1

**European Version Only**

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

### 1.1. Product identifier

**Product Name** **Xerox Replacement Cartridges** for HP LaserJet Pro M15, HP LaserJet Pro MFP M28

**Part no.** 006R04503

**Other means of identification**

**Pure substance/mixture** Mixture

**Colour** Black

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

**Recommended use** Xerographic printing

**Uses advised against** No information available

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

**Supplier**
Xerox Europe Limited
Xerox Technology Park
Dublin Road
Dundalk
Co. Louth
Ireland

For further information, please contact

**Contact Point** Manager, Environment, Health, Safety& Sustainability

**E-mail address** ehs-europe@xerox.com

**Non-Emergency Telephone Number** +353 429387410

**For the most current document** https://safetysheets.business.xerox.com

### 1.4. Emergency telephone number

**Emergency Telephone** 01 809 166 (8am-10pm 7 days a week)

| **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]**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**2.2. Label elements**
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

**Hazard statements**
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].
EUH210 - Safety data sheet available on request.

**2.3. Other hazards**

**Other hazards** May form explosible dust-air mixture if dispersed.

**PBT & vPvB** The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**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-% | CAS No. | **EC No (EU Index No)** | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|---|---|---|---|---|---|
| 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and | 40-60 | 25036-16-2 | Not Listed | -- | -- |
| Ferrosoferric oxide | 40-50 | 1317-61-9 | 215-277-5 | -- | 01-2119457646-28-0021 |
| Wax | 1-10 | Proprietary | Listed | -- | -- |
| Silicon dioxide | <2 | 7631-86-9 | 231-545-4 | -- | -- |

**Note**
"--" indicates no classification or hazard statements apply.
Components marked as "Not Listed" are exempt from registration.
Where no REACH registration number is listed, it is considered confidential to the Only Representative.

**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 |
|---|---|---|---|---|---|
| Ferrosoferric oxide | 10000 | No data available | No data available | No data available | No data available |
| Wax | 5000 | 3600 | No data available | No data available | No data available |
| Silicon dioxide | 7900 | 5000 | 5.01 | No data available | No data available |

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General advice** For external use only. Get medical attention if irritation or other symptoms occur. Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.

**Skin contact** Wash skin with soap and water.

**Ingestion** Rinse mouth.

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

**Symptoms** Dust irritates eyes and air passages.

**Effects of Exposure** No information available.

### 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** Use water spray or fog; do not use straight streams.

**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** Fine dust dispersed in air may ignite.

**Hazardous combustion products** Hazardous decomposition products due to incomplete combustion. Carbon oxides. Nitrogen oxides (NOx).

**5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** In case of fire: Wear self-contained breathing apparatus. Use personal protection equipment.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid generation of dust. Ensure adequate ventilation.

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

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**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** Ensure adequate ventilation. Avoid generation of dust.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

**Storage class (TRGS 510)** LGK 11.

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

**Specific use(s)**
Xerographic printing.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Xerox Exposure Limit** 2.5 mg/m³ (total dust)
**Xerox Exposure Limit** 0.4 mg/m³ (respirable dust)
**Exposure Limits**

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|---|---|---|---|---|---|
| Ferrosoferric oxide | - | - | - | TWA: 6.0 mg/m³ | - |
| Wax | - | - | TWA: 2 mg/m³ | - | TWA: 2 mg/m³<br>STEL: 6 mg/m³ |
| Silicon dioxide | - | TWA: 4 mg/m³ | TWA: 3 mg/m³<br>TWA: 10 mg/m³ | TWA: 1.0 mg/m³ | TWA: 1.2 mg/m³ |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Ferrosoferric oxide | - | TWA: 10 mg/m³ | - | - | - |
| Wax | - | - | TWA: 2 mg/m³<br>STEL: 4 mg/m³ | TWA: 2 mg/m³ | TWA: 1 mg/m³ |
| Silicon dioxide | - | TWA: 0.1 mg/m³<br>TWA: 4.0 mg/m³ | TWA: 1.5 mg/m³<br>STEL: 3 mg/m³<br>uncalcinated with no content of Quartz | TWA: 2 mg/m³ | TWA: 5 mg/m³ |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Wax | TWA: 2 mg/m³ | - | - | TWA: 2 mg/m³<br>STEL: 6 mg/m³ | - |
| Silicon dioxide | - | TWA: 1 mg/m³ | TWA: 0.02 mg/m³<br>Peak: 0.16 mg/m³ | - | - |
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | Latvia | Lithuania |
| Ferrosoferric oxide | TWA: 5 mg/m³<br>TWA: 10 mg/m³<br>TWA: 4 mg/m³<br>STEL: 10 mg/m³<br>STEL: 12 mg/m³<br>STEL: 30 mg/m³ | - | - | - | - |
| Wax | TWA: 2 mg/m³<br>STEL: 6 mg/m³ | - | TWA: 2 mg/m³ | - | - |
| Silicon dioxide | TWA: 6 mg/m³<br>TWA: 2.4 mg/m³<br>STEL: 18 mg/m³<br>STEL: 7.2 mg/m³ | - | - | TWA: 1 mg/m³ | - |
| Chemical name | Luxembourg | Malta | Netherlands | Norway | Poland |
| Ferrosoferric oxide | - | - | - | - | TWA: 5 mg/m³<br>TWA: 2.5 mg/m³<br>STEL: 10 mg/m³<br>STEL: 5 mg/m³ |
| Wax | - | - | - | TWA: 2 mg/m³<br>STEL: 4 mg/m³ | TWA: 2 mg/m³ |
| Silicon dioxide | - | - | - | TWA: 1.5 mg/m³<br>STEL: 3 mg/m³ | TWA: 10 mg/m³<br>TWA: 2 mg/m³ |
| Chemical name | Portugal | Romania | Slovakia | Slovenia | Spain |
| Ferrosoferric oxide | - | - | TWA: 4 mg/m³<br>TWA: 1.5 mg/m³ | - | - |
| Wax | TWA: 2 mg/m³ | TWA: 2 mg/m³<br>STEL: 6 mg/m³ | TWA: 2 mg/m³<br>Ceiling: 6 mg/m³ | - | TWA: 2 mg/m³ |

| | | | | | |
|---|---|---|---|---|---|
| Silicon dioxide | - | - | Ceiling: 0.3 mg/m³ | TWA: 4 mg/m³ | - |

| Chemical name | Sweden | Switzerland | United Kingdom |
|---|---|---|---|
| 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate and | - | S+ | - |
| Wax | - | TWA: 2 mg/m³ | TWA: 2 mg/m³<br>STEL: 6 mg/m³ |
| Silicon dioxide | - | TWA: 4 mg/m³ | TWA: 6 mg/m³<br>TWA: 2.4 mg/m³<br>STEL: 18 mg/m³<br>STEL: 7.2 mg/m³ |

**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** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering controls** None under normal use conditions.

**Personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Hand protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**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.

**Thermal hazards** None under normal processing.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

## SECTION 9: Physical and chemical properties

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

**Physical state** Solid
**Appearance** Powder
**Colour** Black
**Odour** Faint.
**Odour threshold** Not applicable

| Property | Values | Remarks • Method |
|---|---|---|
| **Melting point / freezing point** | Not applicable | None known |
| **Initial boiling point and boiling range** | Not applicable | None known |
| **Flammability** | Not flammable | None known |
| **Flammability Limit in Air** | | None known |
| **Upper flammability or explosive limits** | Not applicable | |
| **Lower flammability or explosive limits** | Not applicable | |
| **Flash point** | Not applicable | None known |
| **Autoignition temperature** | Not applicable | None known |
| **Decomposition temperature** | Not applicable | None known |
| **pH** | Not applicable | None known |
| **pH (as aqueous solution)** | No data available | None known |
| **Kinematic viscosity** | Not applicable | None known |
| **Dynamic viscosity** | Not applicable | None known |
| **Water solubility** | negligible | None known |
| **Solubility(ies)** | No data available | None known |
| **Partition coefficient** | Not applicable | None known |
| **Vapour pressure** | not applicable | None known |
| **Relative density** | | None known |
| **Bulk density** | Not applicable | |
| **Liquid Density** | Not applicable | |
| **Relative vapour density** | not applicable | None known |
| **Particle characteristics** | | |
| **Particle Size** | No information available | |
| **Particle Size Distribution** | No information available | |

**9.2. Other information**

| | |
|---|---|
| **Softening point** | 49 - 60 °C / 120 - 140 °F |
| **VOC content** | None |

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

| | |
|---|---|
| Explosive properties | Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard |

**9.2.2. Other safety characteristics**
No information available

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

**Reactivity** No dangerous reaction known under conditions of normal use.

**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** Generation/formation of dust.

**10.5. Incompatible materials**

**Incompatible materials** None known based on information supplied.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** None under normal use.

## SECTION 11: Toxicological information

**Note:** The toxicity data noted below is based on the test results of similar reprographic materials.

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Information on likely routes of exposure**

**Inhalation** No known effects under normal use conditions.

**Eye contact** No hazard from product as supplied.

**Skin contact** No hazard from product as supplied.

**Ingestion** No hazard from product as supplied.

**Symptoms related to the physical, chemical and toxicological characteristics**
**Symptoms** None known.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**
**Acute toxicity** Based on available data, the classification criteria are not met.
**Numerical measures of toxicity**

> 5 g/kg (rat) > 5 g/kg (rabbit) > 5

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Ferrosoferric oxide | > 10000 mg/kg ( Rat ) | - | - |
| Wax | > 5000 mg/kg ( Rat ) | > 3600 mg/kg ( Rabbit ) | - |
| Silicon dioxide | >5000 mg/kg ( Rat ) | >2000 mg/kg ( Rabbit ) | >2.2 mg/L ( Rat ) 1 h |

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

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

**Germ cell mutagenicity** Not mutagenic in AMES Test.

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

**Reproductive toxicity** This product does not contain any known or suspected reproductive hazards.

**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 disrupting properties** This mixture does not contain any substance that has endocrine disrupting properties with respect to humans.

**11.2.2. Other information**

**Other adverse effects** None known.

## SECTION 12: Ecological information

**12.1. Toxicity**

**Ecotoxicity** Not considered to be harmful to aquatic life.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Silicon dioxide | EC50: =440mg/L (72h, Pseudokirchneriella subcapitata) | LC50: =5000mg/L (96h, Brachydanio rerio) | - | EC50: =7600mg/L (48h, Ceriodaphnia dubia) |

**12.2. Persistence and degradability**

**Persistence and degradability** Not readily biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulation**

**12.4. Mobility in soil**

**Mobility in soil** The product is insoluble and floats on water.

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

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

| Chemical name | PBT and vPvB assessment |
|---|---|
| Ferrosoferric oxide | The substance is not PBT / vPvB |
| Wax | The substance is not PBT / vPvB |
| Silicon dioxide | The substance is not PBT / vPvB |

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** This mixture does not contain any substance that has endocrine disrupting properties with

respect to non-target organisms.

**12.7. Other adverse effects**

| | |
|---|---|
| **Other adverse effects** | No information available. |
| **PMT or vPvM properties** | The product does not contain any substance(s) classified as PMT or vPvM. |

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

| | |
|---|---|
| **Waste from residues/unused products** | Can be landfilled or incinerated, when in compliance with local regulations. |
| **Contaminated packaging** | Dispose of contents/containers in accordance with local regulations. |
| **Waste codes / waste designations according to EWC** | 08 03 18. |
| **Other information** | Although toner is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways. Do Not Pour Product Down the Drain; Do Not Rinse the Container Before Disposal. |

## SECTION 14: Transport information

**Note:** This material is not subject to regulation as a hazardous material for shipping

**IATA**

| | |
|---|---|
| **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**

| | |
|---|---|
| **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**

| | |
|---|---|
| **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**

| | |
|---|---|
| **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 regulated |
| **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 |
|---|---|
| Wax | RG 36 |
| Silicon dioxide | RG 25 |

**Switzerland**

| | |
|---|---|
| **Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018** | Not applicable |
| **Storage of Hazardous Material** | SC Non-hazardous material |
| **WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20** | 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 does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council. Toners and inks are subject to the derogations referred to in Paragraphs 4a and/or 5 (a/b/c) of the Regulation.

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

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

| Chemical name | EU - Plant Protection Products (1107/2009/EC) |
|---|---|

| | |
|---|---|
| Silicon dioxide | Plant protection agent |

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

| Chemical name | Biocidal Products Regulation (EU) No 528/2012 (BPR) |
|---|---|
| Silicon dioxide | Product-type 18: Insecticides, acaricides and products to control other arthropods |

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | Complies |
| **EINECS/ELINCS** | Complies |
| **ENCS** | Contact supplier for inventory compliance status |
| **IECSC** | Contact supplier for inventory compliance status |
| **KECL** | Contact supplier for inventory compliance status |
| **PICCS** | Contact supplier for inventory compliance status |
| **AIIC** | Contact supplier for inventory compliance status |
| **NZIoC** | Contact supplier for inventory compliance status |
| **TCSI** | Contact supplier for inventory compliance status |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AIIC** - Australian Inventory of Industrial Chemicals
**NZIoC** - New Zealand Inventory of Chemicals
**TCSI** - Taiwan Chemical Substance Inventory

**15.2. Chemical safety assessment**

**Chemical Safety Report** A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

## SECTION 16: Other information

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend**

SVHC: Substances of Very High Concern for Authorisation:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

**Legend Section 8: Exposure controls/personal protection**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | Sk* | Skin designation |
| + | Sensitisers | | |

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

**Key literature references and sources for data used to compile the SDS**
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)
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)
National Institute of Technology and Evaluation (NITE)
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)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

**Revision date** 10-04-2025

**Revision Note** SDS sections updated. 13. 15.
**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**
**Disclaimer**
**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**