# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: UK REACH Regulations (SI 2019/758 as amended)

**SDS # :** P-70059

## Low Gloss Replenisher clear

**Issuing Date** 25-Nov-2025 **Revision date** 02-Dec-2025 **Revision Number** 1

**United Kingdom**

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

### 1.1. Product identifier

**Product Name** Low Gloss Replenisher for PX300, PX500
**Part no.** 006R04953, 006R04980

**Pure substance/mixture** Mixture

### 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 Ltd.
Uxbridge Business Park
Building 4
Sanderson Road
Uxbridge
Middlesex. UB8 1DH, UK

For further information, please contact

Contact Point Manager, Environment, Health, Safety & Sustainability

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

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

### 1.4. Emergency telephone number

Emergency Telephone Not applicable

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GB CLP (SI 2020/1567 as amended)**
Not classified

**2.2. Label elements**
Not classified

**Hazard statements**
Not classified.

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

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

## 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 GB CLP (SI 2020/1567 as amended) | UK REACH registration number | M-Factor |
|---|---|---|---|---|---|---|
| Polyester Resin | 70-80 | Proprietary | Not Listed | - | - | - |
| Paraffin wax | 1-10 | 8002-74-2 | 232-315-6 | - | - | - |
| Titanium dioxide | <1 | 13463-67-7 | 236-675-5 | - | - | - |
| Metal oxide | <0.5 | 12060-59-2 | 235-044-1 | - | - | - |
| Zinc stearate | <0.5 | 557-05-1 | 209-151-9 | - | - | - |
| Carbon black | <0.5 | 1333-86-4 | 215-609-9 | - | - | - |

**Full text of H- and EUH-phrases: see section 16**
**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***
In the absence of LD50/LC50 data, the conversion value (converted acute toxicity point estimate) may be indicated here; please note that these values do not represent test results

| 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 |
|---|---|---|---|---|---|
| Paraffin wax | 5000 | 3600 | No data available | No data available | No data available |
| Titanium dioxide | 2000 | No data available | 5.09 | No data available | No data available |
| Zinc stearate | 2000 | 2000 | 50 | No data available | No data available |
| Carbon black | 10000 | 2000 | 0.0046 | No data available | No data available |

This product does not contain candidate substances of very high concern at a concentration >= 0.1% (UK 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.

### 5.3. Advice for firefighters

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

**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**

**Exposure Limits**

| Chemical name | United Kingdom |
|---|---|
| Paraffin wax | TWA: 2 mg/m³<br>STEL: 6 mg/m³ |
| Titanium dioxide | TWA: 10 mg/m³<br>TWA: 4 mg/m³<br>STEL: 30 mg/m³<br>STEL: 12 mg/m³ |
| Zinc stearate | TWA: 10 mg/m³<br>TWA: 4 mg/m³<br>STEL: 20 mg/m³<br>STEL: 12 mg/m³ |

| | |
|---|---|
| Carbon black | TWA: 3.5 mg/m³<br>STEL: 7 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**

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Metal oxide | | 3.33 mg/kg bw/day [4] [6] | 11.67 mg/m³ [4] [6] |
| Zinc stearate | | 4.67 mg/kg bw/day [4] [6] | 16.4 mg/m³ [4] [6] |
| Carbon black | | | 1 mg/m³ [4] [6] |

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

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

| Chemical name | Oral | Dermal | Inhalation |
|---|---|---|---|
| Metal oxide | 1.67 mg/kg bw/day [4] [6] | | 2.92 mg/m³ [4] [6] |
| Zinc stearate | 1.67 mg/kg bw/day [4] [6] | | 2.9 mg/m³ [4] [6] |
| Carbon black | | | 0.06 mg/m³ [4] [6] |

**Notes**
**[4]** Systemic health effects.
**[5]** Local 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 |
|---|---|---|---|---|---|
| Metal oxide | 33.33 mg/kg food | | 33.33 mg/kg food | | |
| Zinc stearate | 3.4 µg/L | 4.13 µg/L | 0.34 µg/L | 0.413 µg/L | |
| Carbon black | 50 mg/L | | | | |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|---|---|---|---|---|---|
| Metal oxide | | | 100 mg/L | | |
| Zinc stearate | 0.526 mg/kg sediment dw | 52.6 µg/kg sediment dw | | 0.103 mg/kg soil dw | |

**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. |
| **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** | clear |
| **Odour** | No information available. |
| **Odour threshold** | No information available |

| 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** | No data available | None known |
| **Relative density** | No data available | None known |
| **Bulk density** | Not applicable | |
| **Liquid Density** | Not applicable | |
| **Relative vapour density** | No data available | None known |
| **Particle characteristics** | | |
| **Particle Size** | No information available | |
| **Particle Size Distribution** | 4 - 9 micron | |

| | |
|---|---|
| **Explosive properties** | Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard |
| **Oxidising properties** | No information available |

**9.2. Other information**

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

## 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 known based on information supplied.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Information on likely routes of exposure**

**Product Information**

| | |
|---|---|
| **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.

**Acute toxicity** .

**Numerical measures of toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document**

| | |
|---|---|
| **ATEmix (oral)** | 99,999.00 mg/kg |
| **ATEmix (dermal)** | 4,183.80 mg/kg |
| **ATEmix (inhalation-gas)** | 99,999.00 ppm |
| **ATEmix (inhalation-vapour)** | 99,999.00 mg/L |
| **ATEmix (inhalation-dust/mist)** | 99,999.00 mg/L |

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Paraffin wax | > 5000 mg/kg ( Rat ) | > 3600 mg/kg ( Rabbit ) | - |
| Titanium dioxide | > 2000 mg/kg ( Rat ) | - | > 5.09 mg/L ( Rat ) 4 h |
| Zinc stearate | > 2000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 200 mg/L ( Rat ) 1 h |
| Carbon black | > 10000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 4.6 mg/m$^3$ ( Rat ) 4 h |

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

**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** The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". However, we have has concluded that the presence of carbon black in this mixture does not present a health hazard. The IARC classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. We have performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.
The IARC (International Agency for Research on Cancer) has listed titanium dioxide as “possibly carcinogenic to humans”. However, we have concluded that the presence of titanium dioxide in this mixture does not present a health hazard. The IARC classification is based on studies in rats using high concentrations of pure, unbound TiO2 particles of respirable size. Epidemiological studies do not suggest a carcinogenic effects in humans. In addition, the titanium dioxide in this mixture is encapsulated in a matrix or bound to the surface of the toner.

**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.

**Other adverse effects** 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

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

### 12.2. Persistence and degradability

**Persistence and degradability** Not readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulation** Not likely to bioaccumulate.

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| Zinc stearate | 4.64 |

### 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 above the threshold of declaration.

| Chemical name | PBT and vPvB assessment |
|---|---|
| Paraffin wax | Not PBT/vPvB |
| Titanium dioxide | Not PBT/vPvB |
| Metal oxide | Not PBT/vPvB |
| Zinc stearate | Not PBT/vPvB |
| Carbon black | Not PBT/vPvB |

### 12.6. Other adverse effects

No information available.

## 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** | Dispose of contents/containers in accordance with local regulations. |
| **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

**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 |

## SECTION 15: Regulatory information

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

### National regulations

**Authorisations and/or restrictions on use:**
This product does not contain substances subject to authorisation (UK REACH - Annex XIV). This product does not contain substances subject to restriction (UK REACH - Annex XVII).

**Persistent Organic Pollutants**
Not applicable

**Export Notification requirements**
Not applicable

**Named dangerous substances per COMAH (SI 2015/483 as amended)**
Not applicable

**The Ozone-Depleting Substances Regulations 2015**
Not applicable

**The Biocidal Products Regulations 2001 (as amended)**
Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**
Not applicable

**Poisons and Explosive Precursors**
Not applicable

### 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 Chemicals Inventory
**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 | 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 |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity | On basis of test data |
| Acute 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 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)
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)

**Revision date** 02-Dec-2025

**Revision Note** Initial Release.

**This SDS complies with the requirements of UK REACH Regulations SI 2019/758 (as amended)**
**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**

**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**

**UK SDS version information - XGHS**
UL release:
GHS Revision 7
2024 Q3

**United Kingdom** Partial process, including GHS Wizard, NO TW