**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name</strong></td>
<td>Toner/Drum Cartridge -Black</td>
</tr>
<tr>
<td><strong>Part no.</strong></td>
<td>113R00034, 113R00311, 113R00443, 113R00445, 113R00446, 113R00495, 013R00548, 673K35240, 673K51810, 673K53670, 673K59830, 673K06276</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Black</td>
</tr>
<tr>
<td><strong>Pure substance/mixture</strong></td>
<td>Mixture</td>
</tr>
<tr>
<td><strong>Recommended Use</strong></td>
<td>Xerographic printing</td>
</tr>
<tr>
<td><strong>Details of the supplier of the safety data sheet</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Supplier</strong></td>
<td>Xerox Corporation</td>
</tr>
<tr>
<td></td>
<td>Rochester, NY 14644</td>
</tr>
<tr>
<td><strong>For further information, please contact</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Contact person</strong></td>
<td>Manager, Environment, Health, Safety &amp; Sustainability</td>
</tr>
<tr>
<td><strong>E-mail address</strong></td>
<td><a href="mailto:askxerox@xerox.com">askxerox@xerox.com</a></td>
</tr>
<tr>
<td><strong>Emergency telephone</strong></td>
<td>Safety Information US: (800) 275-9376</td>
</tr>
<tr>
<td></td>
<td>Chemical Emergency only (Chemetrec) (800) 424-9300</td>
</tr>
</tbody>
</table>

**2. HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

**Customer use / Cartridges and sealed bottles**

**OSHA Hazard Classification**

This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.

While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

**Label elements**

**Signal Word**

None
3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene/acrylate copolymer</td>
<td>25767-47-9</td>
<td>45-60</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>1309-38-2</td>
<td>40-50</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Polypropylene wax</td>
<td>9003-07-0</td>
<td>2-3</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>67762-90-7</td>
<td>&lt;2</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Description of first-aid measures

General advice
For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes

Skin contact
Wash skin with soap and water

Inhalation
Move to fresh air

Ingestion
Rinse mouth with water and afterwards drink plenty of water or milk

Most important symptoms and effects, both acute and delayed

Acute toxicity

<table>
<thead>
<tr>
<th>Eyes</th>
<th>No known effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>No known effect</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known effect</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known effect</td>
</tr>
</tbody>
</table>

Main symptoms

Overexposure may cause:

mild respiratory irritation similar to nuisance dust.

Aggravated Medical Conditions
None under normal use conditions

Indication of immediate medical attention and special treatment needed

Protection of first-aiders
No special protective equipment required

Notes to physician
Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media
Use water spray or fog; do not use straight streams, Foam

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire

Special hazards arising from the substance or mixture

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
Hazardous combustion products
Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)

Special protective actions for fire-fighters
In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins.

Other information
Flammable properties Not flammable. Will not readily ignite.
Flash point Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid breathing dust

Environmental precautions
No special environmental precautions required

Methods and material for containment and cleaning up
Methods for containment Prevent dust cloud
Methods for cleaning up Use a vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner making it difficult to remove.

Reference to other sections
The environmental impact of this product has not been fully investigated
However, this preparation is not expected to present significant adverse environmental effects.

7. HANDLING AND STORAGE

Precautions for safe handling
Advice on safe handling Handle in accordance with good industrial hygiene and safety practice
Avoid dust accumulation in enclosed space
Prevent dust cloud

Hygiene measures None under normal use conditions

Conditions for safe storage, including any incompatibilities
Technical measures and storage Keep container tightly closed in a dry and well-ventilated place
conditions Store at room temperature

Incompatible products None

Specific end uses
Xerographic printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure Limits
ACGIH TLV TWA 10 mg/m³ (inhalable particles)
ACGIH TLV TWA 3 mg/m³ (respirable dust)
OSHA PEL TWA 15 mg/m³ (total dust)
OSHA PEL TWA 5 mg/m³ (respirable dust)
Xerox Exposure Limit 2.5 mg/m³ (total dust)
Xerox Exposure Limit 0.4 mg/m³ (respirable dust)

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron oxide</td>
<td>TWA: 1 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Exposure controls

Engineering measures None under normal use conditions

Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection No special protective equipment required.
Eye/Face protection No special protective equipment required
Skin and body protection No special protective equipment required
Hand protection No special protective equipment required

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Softening point</td>
<td>49 - 60 °C / 120 - 140 °F</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>~ 2</td>
</tr>
</tbody>
</table>

Other information

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

10. STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

Hazardous reactions None under normal processing
Hazardous polymerization Hazardous polymerization does not occur
Conditions to avoid
Prevent dust cloud. Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Incompatible materials to avoid
None

Hazardous decomposition products
None under normal use

11. TOXICOLOGICAL INFORMATION
The toxicity data noted below is based on the test results of similar reprographic materials.

Information on toxicological effects
Acute toxicity
Product Information
Irritation
No skin irritation, No eye irritation
Oral LD50
> 5 g/kg (rat)
Dermal LD50
> 5 g/kg (rabbit)
LC50 Inhalation
> 5 mg/L (rat, 4 hr)

Component Information
Chronic toxicity
Sensitization
No sensitization responses were observed
Neurological Effects
No information available
Target organ effects
None known

CMR Effects
Mutagenic effects
Not mutagenic in AMES Test
Reproductive toxicity
No information available
Carcinogenicity
Contains no ingredient listed as a carcinogen

Other toxic effects
Aspiration Hazard
Not applicable
Other adverse effects
None known

12. ECOLOGICAL INFORMATION
Toxicity
On available data, the mixture / preparation is not harmful to aquatic life

Persistence and degradability
Not readily biodegradable

Bioaccumulative potential
Bioaccumulation is unlikely

Mobility in soil
Insoluble in water

Other adverse effects
Presents little or no hazard to the environment.
13. DISPOSAL CONSIDERATIONS

Disposal considerations

Waste Disposal Methods
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging
No special precautions are needed in handling this material

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

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

OSHA Regulatory Status
This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing. While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

Canada
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

International Inventories

TSCA
Complies

DSL/NDSL
Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Clean Water Act
This product is not regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product is not regulated as a hazardous air pollutant (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations
Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Issuing Date</th>
<th>1997-08-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date</td>
<td>2018-02-01</td>
</tr>
<tr>
<td>Revision Note</td>
<td>Update to Format</td>
</tr>
</tbody>
</table>

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

end