

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** SILICON (IV) OXIDE**CAS number:** 7631-86-9**Product code:** A70944**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Company name:** Philip Harris Ltd

2 Gregory Street

Hyde

Cheshire

SK14 4HR

United Kingdom

**Tel:** +44 (0)845 1200 506**Fax:** +44 (0)161 367 2140**Email:** [enquiries@philipharris.co.uk](mailto:enquiries@philipharris.co.uk)**1.4. Emergency telephone number****Emergency tel:** +44 (0) 845 1200 506**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** This product has no classification under CLP.**2.2. Label elements****Label elements:** This product has no label elements.**2.3. Other hazards****Other hazards:** The substance is not classified as hazardous to health or the environment according to the CLP regulation. This substance is not classified as dangerous according to Directive 67/548/EEC.**PBT:** This product is not identified as a PBT substance.**Section 3: Composition/information on ingredients****3.1. Substances****Chemical identity:** SILICON (IV) OXIDE

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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a Doctor

**Eye contact:** Bathe the eye with running water for 15 minutes. Protect uninjured eye. Remove contact lenses, if present and easy to do. Consult a doctor.

**Ingestion:** Seek urgent medical attention.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Keep patient warm. If breathing is irregular or stopped, administer artificial respiration. Consult a doctor.

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

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

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

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

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

**Exposure hazards:** In case of fire may be liberated: Sulphur Oxides

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Do not allow to enter into soil/subsoil.

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

**Clean-up procedures:** Absorb with liquid-binding material ( sand, diatomite, acid binders, universal binders, sawdust).

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## 6.4. Reference to other sections

**Reference to other sections:** See section 7. Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Keep containers tightly sealed. Store in cool, Dry place in tightly closed containers.  
Ensure good ventilation/exhaustion at the work place.

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

**Storage conditions:** Water reacts with many metals to give hydrohen, often violently. Water also reacts violently with many reactive organic and inorganic chemicals.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### 8.1. DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

**Respiratory protection:** Use breathing protection with high concentrations.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses.

**Skin protection:** Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Suspension

**Colour:** Colourless

**Odour:** Odourless

**Evaporation rate:** No data available

**Oxidising:** No data available

**Solubility in water:** Miscible

**Also soluble in:** No data available.

**Viscosity:** No data available

**Viscosity test method:** No data available.

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## 9.2. Other information

**Other information:** Density at 20°C : 1.4g/cm<sup>3</sup>.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No data available.

### 10.2. Chemical stability

**Chemical stability:** Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Water reacts violently with alkali metals. Reacts with alkaline earth metals.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

**Materials to avoid:** Water reacts with many metals to give hydrogen, often violently. Water is also incompatible with many reactive organic and inorganic chemicals.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** Silicon oxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicity values:** No data available.

### Symptoms / routes of exposure

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** No data available.

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## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT substance.

## 12.6. Other adverse effects

**Other adverse effects:** No data available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

**Disposal of packaging:** Arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.