

Safety Sheet

1 Product and Company Identification

Product identification A titanium dioxide and potassium silicate based solution

Trade name SOL

Product description A titanium dioxide and potassium silicate based solution in water with photocatalytic, self-cleaning, pollution reducing, deodorising and anti-bacterial properties.



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2 Ingredient Composition/Information

This product is a compound.

The product contains non-pigmented titanium dioxide in a water solution and potassium silicate binders. The product does not contain any harmful substances as per the guidelines of Directives 67/548/EEC and 199/45/EC

3 Identifying Dangerous Substances

The product is non-inflammable and no risks are associated with its use.

This product is not classified as dangerous as per Directives 67/548/EEC and 199/45/EC

POTENTIAL ENVIRONMENTAL DAMAGE No known risks

4 First Aid Activities

Contact with the eyes Rinse IMMEDIATELY with copious amounts of water for at least 15 minutes keeping the eyes open.

Contact with the skin Wash with soap and water

Inhalation Liquid - Not applicable

Ingestion Rinse with water

See section 8 for PPE and first aid.

5 Safety Measures Against Fire

Means of extinguishing Any means

Inappropriate means of extinguishing NONE

6 Precautions in the Event of Accidental Spillage

Personal protection Use eye and skin protection

Environmental precautions Avoid contaminating waste and clean waters

Cleaning methods Wash with water, not solvents

See section 8 for checks following exposure and PPE.

See section 13 for disposal requirements.

7 Handling and Storage

HANDLING

Workplace precautions Natural ventilation

Protecting against inhalation Not necessary

Protecting the eyes Protective glasses

Protecting the skin Gloves

Personal protection Work clothing

The solution contains water. Avoid drying and freezing. Never use the product if it is dried out or frozen.

Make sure that the containers are kept out of direct sunlight and are stored in a dry place.

Keep in well-sealed containers

You are strongly advised to implement the standard fire prevention measures where the product is stored.

Do not swallow. Keep out of the reach of children.

STORAGE Store the material at between +5° and +40°

8 Exposure Checks / Personal Protection

There are no specific precautions required against exposure.

Comply with the advice given in section 7

9 Physical and Chemical Properties

Smell Slight smell of ammonia

Colour Milky white

Important information for health, safety and the environment

pH

Boiling point/boiling threshold

Vaporisation

Inflammability

Explosive properties

Oxidising properties

Specific weight

Solubility in water (%weight)

Solubility in alcohol (%weight)

Fat solubility (solvents-oils)

Partition coefficient (n-octanol/water)

Viscosity

Steam density (water=1)

Degree of evaporation

Other information

Flash point

Auto-ignition temperature

7.0 ÷ 8.0

Not determined, but >100°C

Not applicable

Non-inflammable

Not applicable

Has no oxidising properties

1.073 gr/cm³

Easily dissolved in water

Not measured

Not measured

Not measured

Not measured

Not measured

Not measured

Not measured

Not applicable

Not applicable

10 Stability and Reactivity

Stability Chemically stable

Conditions to be avoided None

11 Toxicology Information

Harmful effects can be discounted assuming correct handling

Acute toxicity

OECD test after 4 hours The product does not cause irritation to the skin

12 Ecological Information

Use in line with Good Working Practices and dispose of the product with care

Ecotoxicity

No known effects

13 Disposal Instructions

Safety requirements for waste and residues

14 Transport Information

ADR/RID	This product is not classified as dangerous to transport
IMO-IMDG	This product is not classified as dangerous to transport
IATA-ICAO	This product is not classified as dangerous to transport
UN/NA I.D. Number (1)	NONE
Hazard Class (2)	NONE
Packaging group (3)	NONE
Technical/trade name (4)	SOL
DOT Shipping name	NONE
Item N°	NONE
U.S. Reportable Quantity (RQ) (lbs):	NONE
Marine Pollutant Status	NOT APPLICABLE
Emergency Schedule	NOT APPLICABLE
IMFG	NOT APPLICABLE
IMO	NOT APPLICABLE
U.S. DOT Label	NONE
U.S. DOT Placard	NONE
U.S. STCC N°	NONE
U.K. Emergency Action Code	NOT APPLICABLE
Passenger Aircraft	NOT APPLICABLE
Cargo Aircraft	NOT APPLICABLE
ERG Number	NONE
ADR/RID	NOT REGULATED (not dangerous to transport)
IMO/IMDG Class	NOT REGULATED (not dangerous to transport)
IATA/ICAO Classification	NOT REGULATED (not dangerous to transport)

15 Standards

Standards as per the Directive on "preparations" 88/379 EEC and later modifications passed with a Ministerial Decree dated 28.01.92

CONTAINS

Phrases R R36/38 – Irritating for the eyes and the skin

PHRASES S S26 – In the event of contact with the eyes, wash immediately with water and consult a doctor S36/37/39 – Wear protective clothing and suitable gloves and protect your eyes/face.

EEC requirements This product is not classified as dangerous as per Directives 67/548/EEC and 99/45/EEC