

Safety Data Sheet

In accordance with Art. 53 of OChim of 18.05.2005 (version as of 01.12.2010)

Created: 27.01.2012

Updated: -

1 Identification of the substance/mixture and of the company/undertaking

Name of product: **Scaler**

Relevant identified uses of the substance or mixture: **Scaler used in watchmaking industry.**

Manufacturer / Supplier:

Bergeon SA

11, Av. du Technicum

CH-2400 Le Locle

Switzerland

www.bergeon.ch

For further information:

+ 41 32 933 60 00 (the client will be passed on to the designated point of contact)

Emergency telephone number

Toxicology information centre in Zurich, Emergency number: 145 or + 41 (0)44 251 51 51

2 Hazard identification

Classification of the substance according to Regulation (EC) No 1272/2008:



GHS05 **corrosive**
H314 **Skin Corr. 1B**



GHS07 **irritant**
H319 **Eye Irrit. 2**

Classification of the substance according to Directive 67/548/EEC or Directive 1999/45/EC:



Xi; Irritant
R 36/38 **Irritating to eyes and skin.**

Specific information regarding hazards to humans and the environment:

The product has to be labeled according to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification complies with current EC lists and is supplemented by information from technical literature and by information furnished by the company.

Labelling according to Regulation (EC) No 1272/2008:

Product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS05

Warning label:

Hazard

Hazard statements:

H314 Causes severe skin burns and eye damage

H319 Causes serious eye irritation

Precautionary statements:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.

+P338 Remove contact lenses if present and if they

P303+P361 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing

+P353 Rinse skin with water/shower.

P362 Take off contaminated clothing and wash before reuse.

Results of PBT and vPvB assessments:

PBT: not applicable

vPvB: not applicable

3 Composition / information on components

Chemical nature:

Mixtures

Description:

Mixture of substances listed below with non-hazardous additions.

Hazardous components:

CAS	EINECS		level
7664-38-2	231-633-2	Phosphoric acid 85%	12.72%
		C R34	
		Skin Corr. 1B H314	

6153-56-6	205-634-3	Oxalic acid	3.76%
		Xn R21/22	

Additional information:

For the wording of the listed risk phrases, refer to section 16.

4 First aid

General information:

When consulting the doctor, show this safety data sheet or product label.

Immediately remove all soiled and contaminated clothing.

Following inhalation:

Breathe fresh air; consult doctor in the event of difficulties.

Following skin contact:

Wash immediately with water and soap; rinse well. Consult doctor in the event of difficulties.

Following contact with the eyes:

Rinse eyes with running water for several minutes, holding the eyelids apart.

Consult a doctor immediately.

Following ingestion:

Do not induce vomiting. Give water to drink and consult a doctor immediately.

Do not give persons who have fainted anything to eat or drink.

5 Measures against fire

Extinguishing:

Water spray, foam or CO2 extinguisher. Adapt fire extinguishing measures to the given environment.

Special safety equipment:

Ignition may release toxic or irritating gases (e.g. carbon monoxide (CO)).

6 Action to be taken in the event of accidental release

Personal precautions, protective equipment and emergency procedures:

Self-protection measures! Other measures: see sections 7 and 8.

Ensure good ventilation/exhaust in the workplace. Avoid aerosol formation.

Precautions for environmental protection:

Do not allow the undiluted product to enter sewers, drains, runoff water or groundwater.

In case of seepage into water course or sewage system, inform appropriate

Procedures and equipment for containment and cleaning up:

Large amounts: absorb liquid using absorbent material (sand, kieselguhr, universal binder).

Ensure adequate ventilation.

Small quantities: dilute with plenty of water and remove via drain.

Dispose contaminated material as per other waste according to Section 13.

Reference to other sections:

Information on safe handling: see Section 7.

Information on personal protection equipment: see Section 8. Disposal information: see Section 13.

7 Handling and storage

Precautions for safe handling:

Wear personal protective equipment, avoid contact with skin.

Ensure adequate ventilation. Avoid aerosol formation.

Prevention of fire and explosion:

No special measures are required.

Requirements regarding storage rooms and vessels:

No special measures are required.

Information about storing with other items:

Keep away from foodstuffs.

8 Exposure controls / personal protection

Components with limit values that require monitoring at the workplace:

7664-38-2 Phosphoric acid 85%

VME (Switzerland)

Current values: 2 mg/m³ Long-term value: 1 mg/m³

General protective and hygiene measures:

Keep away from foodstuffs, beverages and animal feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Keep protective clothes away from other items.

Protective respiratory measures:

Avoid inhalation of vapours.

No obligation to wear respiratory protection during normal use.

Hand protection:

Use protective gloves.



Glove material: The selection of suitable gloves depends not only on the material, but also on other qualitative criteria which may vary from one manufacturer to another. Since the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and must therefore be checked prior to use.

Breakthrough time of glove material: the exact breakthrough time is to be determined by the manufacturer of the protective gloves and must to be respected.

Protective eyewear:
Wear protective eyewear.
Provide access to eyewash station.



9 Physical and chemical properties

State:	liquid	Colour:	purple
Odour:	odourless	Olfactory threshold:	not
Spec. gravity:	1.1 g/cm ³	pH value:	< 1
Melting point:			not applicable
Boiling point:			100°C
Flash point:			not applicable
Inflammability:			The product is not flammable.
Ignition / decomposition temperature:			not applicable
Autoignition:			The product does not ignite spontaneously.
Risk of explosion:			The product is not explosive.
Upper/lower explosion limits:			not applicable
Vapour pressure (20°C):			23 hPa
Evaporation rate:			not
Solubility in / miscibility with water:			soluble
Partition coefficient (n-octanol/water):			not
Viscosity:			not applicable
Content of organic solvents:		0%	Water: 83.50%
Solids content:		<5%	
Other information:			No other relevant information available.

10 Stability and reactivity

Thermal decomposition: No decomposition if used according to instructions.
Hazardous decomposition products: Phosphorus oxides
Possibility of hazardous reactions:
 The product reacts violently with water and bases (formation of heat).
 Reacts violently with metals (formation of hydrogen gas).
Conditions to be avoided: No other relevant information available.
Incompatible materials: Bases, metals, oxidizing agents, reducing agents, organic peroxides

11 Toxicological information

Acute toxicity, primary irritation effect:
 - on the skin: irritant
 - on the eyes: irritant
Sensitisation: No known sensitisation effect.
Additional toxicological information:
 According to the calculation method of the last current version of the General EU
 Classification of preparations, the product presents the following hazards:
 Irritant

12 Ecological information

Toxicity:
 - aquatic toxicity: No other relevant information available.
 - persistence and degradability: No other relevant information available.
Behaviour in environmental compartments:
 - bioaccumulation potential: No other relevant information available.
 - mobility in soil: No other relevant information available.
Other general information:
 Do not allow to enter drains, sewers, runoff water or groundwater.
 The product is a light water pollutant.
Results of PBT and vPvB assessments:
 PBT: not applicable
 vPvB: not applicable
Other harmful effects: No other relevant information available.

13 Disposal considerations

Waste treatment methods:

Large quantities should not be discharged along with the normal household waste, but in accordance with legal requirements.

Do not allow undiluted product to enter sewers.

Non-cleaned packaging:

Disposal according to legal requirements.

14 Information regarding transportation

UN no.: UN 3264

UN shipping name:

ADR/RID

Inorganic corrosive liquid, acid, n.o.s. (phosphoric acid in solution, oxalic acid)

IMDG:

Corrosive liquid, acidic, inorganic, n.o.s. (phosphoric acid, solution, oxalic acid)

IATA:

Corrosive liquid, acidic, inorganic, n.o.s. (phosphoric acid, solution, oxalic acid)

Hazard class for transport: 8 (corrosive)

Packing group: III

Environmental hazards/

Marine pollutant: no



Special precautions to be taken by user:

Warning: corrosive materials

UN model regulations:

Inorganic corrosive liquid, acid, n.o.s. (phosphoric acid in solution, oxalic acid) 8, III, (E)

15 Regulatory information

Specific regulations / legislation regarding the substance or mixture in terms of safety, health and the environment:

Labelling according to Regulation (EC) No 1272/2008:

Product is classified and labelled according to CLP regulation.

Hazard pictograms:

Warning label: Hazard



GHS05

Hazard statements:

H314 Causes severe skin burns and eye damage

- H319 Causes serious eye irritation
- Safety advice:
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P264 Wash hands thoroughly after handling.
- P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.**
- +P338 Remove contact lenses if present and if they
- P303+P361 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing
- +P353 Rinse skin with water/shower.
- P362 Take off contaminated clothing and wash before reuse.

National regulations (Switzerland):

Other indications, limitations and prohibitive regulations:

- VOC content according to OCOV: 0%

- Regulatory indications according to ORRChem:

For professional users only (Appendix 1.10)

Assessment of chemical safety:

A chemical safety assessment has not been carried out.

16 Other information

This information is based on the current state of our knowledge, but do not constitute a guarantee for any specific product features and shall not establish a legally valid **contractual** relationship.

Key phrases:

- R 21/22 Harmful in contact with skin and if swallowed.
- R 34 Causes burns.
- R 36/38 Irritating to eyes and skin.
- H314 Causes severe skin burns and eye damage
- H319 Causes serious eye irritation

Document author: Neosys AG, domaine RisCare, gaan

Acronyms and abbreviations:

- ADR European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID Regulations concerning the international carriage of dangerous goods by rail
- ADN The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG International Maritime Code for Dangerous Goods
- IATA International Air Transport Association
- ICAO International Civil Aviation Organization
- GHS Globally Harmonized System of Classification and Labelling of Chemicals
- CLP Classification, Labelling and Packaging of Chemicals
- OCOV Ordinance on Incentive Taxation of Volatile Organic Compounds
- ORRChem Ordinance on the Reduction of Risks relating to the Use of Certain Particularly Dangerous Substances, Preparations and Articles