



Technologies

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Passerite 6010

MSDS-No. : 273659

V001.1

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1. Identification of the substance/preparation and of the company/undertaking

Trade name:

Passerite 6010

Intended use:

Passivating Agent

Emergency information:

The Henkel information service also provides an around-the-clock telephone service on phone no.++49-(0)211-797-3350 for exceptional cases.

Information office (content SDS):

Henkel Technologies, Phone: +49-(0)211-797-2267, Fax: +49-(0)211-798-12267

2. Composition / information on ingredients

Base substances of preparation:

inorganic salts
inorganic acids

Declaration of ingredients according to 91/155/EC:

Hazardous components CAS-No.	EINECS	content	Classification
Chromium trinitrate 13548-38-4	236-921-1	10 - 20 %	R8 Xi - Irritant; R36/38
Phosphoric acid 7664-38-2	231-633-2	1 - 10 %	C - Corrosive; R34
Chromium phosphate 7789-04-0	232-141-0	7 - 25 %	Xn - Harmful; R22 Xi - Irritant; R36

3. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation guideline.
R36/38 Irritating to eyes and skin.

4. First aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Fresh air, consult doctor.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Immediate medical treatment necessary.

5. Fire fighting measures

Combustion behaviour:

Non-flammable (aqueous solution). In case of fire toxic gases can proceed after evaporation of water and further heating of the product.

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

None known

Special protection equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information:

Cool endangered containers with water spray jet.

6. Accidental release measures

Personal precautions:

Avoid contact with skin and eyes.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Neutralize with acid-binding material (e.g. powdered limestone).
Take up with liquid-absorbing material (sand).

7. Handling and storage

Handling:

When diluting, always stir slowly the product into standing water.
Ensure that workrooms are adequately ventilated.
Avoid skin and eye contact.

Storage:

Store only in the original container.
Do not use packing made of metal.
Keep container in a well ventilated place.
Keep container tightly sealed.
Store in a cool, frost-free place.
Must be stored in a room with spill collection facilities.
Do not store together with strong bases or very alkaline substances.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for

Germany

Basis

Germany - Occupational Exposure Limits

Ingredient	ppm	mg/m ³	Type	Category	Remarks
CHROMIUM METAL, INORGANIC CHROMIUM(II) COMPOUNDS AND INORGANIC CHROMIUM(III) COMPOUNDS (INSOLUBLE) 13548-38-4		2	Time Weighted Average (TWA).		EU-2000/39/EC
phosphoric acid...%, orthophosphoric acid...% 7664-38-2		1	EU - Time Weighted Average (TWA).		EU-2000/39/EC
		2	EC Short Term Exposure Limit (STEL):		EU-2000/39/EC
Phosphoric acid, chromium(3+) salt (1:1) 7789-04-0		2	Time Weighted Average (TWA).		EU-2000/39/EC

Engineering controls:

Ensure good ventilation/suction at the workplace.

Respiratory protection:

if there is atomisation

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Polychloroprene (CR; >= 1 mm thickness) or natural rubber (NR; >=1 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Goggles which can be tightly sealed.

General protection and hygiene measures:

Do not eat, drink or smoke while working.

9. Physical and chemical properties

Appearance	liquid clear dark green
Odor:	no valuation
pH-value (20 °C (68 °F); Conc.: 1,0 % product; Solvent: Demineralised water)	1,2
Flash point	Not applicable
Density (20 °C (68 °F))	1,262 - 1,278 g/cm ³
VOC content (1999/13/EC)	0,0 %

10. Stability and reactivity

Conditions to avoid:

No decomposition if used according to specifications.

Materials to avoid:

Reacts with alkalis: Heat generated.

Hazardous decomposition products:

None if used for intended purpose.
In case of fire toxic gases can be released.

11. Toxicological information

Oral toxicity:

LD50 > 2000 mg/kg body weight

Skin irritation:

The product is irritant to skin and mucous membranes.

Eye irritation:

Irritating to eyes.

12. Ecological information

General ecological information:

Inorganic product: Decomposition not affected.

Other remarks:

The product contains wastewater-relevant heavy metals. Officially determined threshold values for wastewater (also for partial flows, if applicable) and local discharge guidelines must be observed.
If acidic or alkaline products are discharged into wastewater installations care must be taken that the discharged wastewater has a pH in the range pH 6 ... 10, as pH variations could cause disorders in wastewater channels and biological sewage treatment plants. The local discharge regulations take precedence.

13. Disposal considerations

Product

Disposal methods:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code(EWC):

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.
060199

Recommended cleaning agents:

Clean the packaging with water.

14. Transport information

Road transport ADR:

Class:	8
Packaging group:	III
Classification code:	C1
Hazard ident. number:	80
UN no.:	3264
Label:	8
Technical name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid,Chromium trinitrate)

Railroad transport RID:

Class:	8
Packaging group:	III
Classification code:	C1
Hazard ident. number:	80
UN no.:	3264
Label:	8
Technical name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid,Chromium trinitrate)

Inland water transport ADN:

Class:	8
Packaging group:	III
Classification code:	C1
Hazard ident. number:	80
UN no.:	3264
Label:	8
Technical name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid,Chromium trinitrate)

Marine transport IMDG:

Class:	8
Packaging group:	III
UN no.:	3264
Label:	8
EmS:	F-A ,S-B
Seawater pollutant:	-
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid,Chromium trinitrate)

Air transport IATA:

Class:	8
Packaging group:	III
Packaging instructions (passenger)	818
Packaging instructions (cargo)	820
UN no.:	3264
Label:	8
Proper shipping name:	Corrosive liquid, acidic, inorganic n.o.s. (Phosphoric acid,Chromium trinitrate)

15. Regulations - classification and identification**Indication of danger:**

Xi - Irritant

**Risk phrases:**

R36/38 Irritating to eyes and skin.

Safety phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.

National regulations/information (Germany)

WGK: WGK = 2, water endangering product. Classification according to the mixture rules in German VwVwS regulation annex 4 from 27.July 2005.

Storage class VCI: 8B

16. Other information

Full text of the R-phrases indicated by codes in this safety data sheet. The labeling of the product is indicated in Section 15.

R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R8 Contact with combustible material may cause fire.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.