

## Safety Data Sheet

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Trade name: PA 4645-2

(Contd. of page 2)

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**7440-50-8 copper**

PEL Long-term value:  $1 * 0.1^{**} \text{ mg/m}^3$   
as Cu \*dusts and mists \*\*fume

REL Long-term value:  $1 * 0.1^{**} \text{ mg/m}^3$   
as Cu \*dusts and mists \*\*fume

TLV Long-term value:  $1 * 0.2^{**} \text{ mg/m}^3$   
\*dusts and mists; \*\*fume; as Cu

**1317-37-9 iron sulphide**

REL Long-term value:  $1 \text{ mg/m}^3$   
as Fe

TLV Long-term value:  $1 \text{ mg/m}^3$   
as Fe

**7782-42-5 Graphite**

PEL Long-term value:  $15 \text{ mppcf}^{*} \text{ mg/m}^3$   
\*impinger samples counted by light field techn.

REL Long-term value:  $2.5^{*} \text{ mg/m}^3$   
\*respirable dust

TLV Long-term value:  $2^{*} \text{ mg/m}^3$   
all forms except graphite fibers; \*resp. fraction

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**

Wear gloves for the protection against mechanical hazards according to EN 388.

Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Recommendation:

Palm coated industrial gloves with good levels of comfort and abrasion resistance.

for example:

Standard ANSI/ISEA 105-2011

abrasion resistance: 4

cut resistance: 1

puncture resistance: 1

Standard EN388: 4131

(Contd. on page 4)