
trade name: LUKAS Pure Artists' Pigments, Cadmium yellow – orange - red, No. 2425-2429, 2471-2474

1. Identification of the substance, preparation and the company

trade name: Pure Artists' s Pigments, cadmium yellow, cadmium orange, cadmium red

Intended use: Pigment for grinding colours

LUKAS Künstlerfarben & Maltuchfabrik
Dr. Fr. Schoenfeld GmbH & Co.
Harffstr. 40
D-40591 Düsseldorf Tel. 0211/7813-0

In case of emergency: 0211/781340 (LUKAS laboratory)

2. Composition/information on ingredients

Name of substance:

Cadmium-/zinc sulphide $x\text{CdS.yZnS}$ in cadmium yellow

CAS.Nr.: 8048-07-5, PY 35

Cadmium sulphide/-selenide $x\text{CdS.yCdSe}$ in cadmium orange

CAS.Nr.: 12656-57-4, PO 20

Cadmium sulphide/-selenide $x\text{CdS.yCdSe}$ in cadmium red

CAS.Nr.: 58339-34-7, PR 108

Barium-sulphate BaSO_4 in all colours possible

CAS.Nr.: 7727-43-7, PW 21

3. Hazards identification

Inhalation: Excessive exposure may cause damage to the lungs and kidneys.

Ingestion: The product is low solubility in body fluids and it is likely to be of acute toxicity.

4. First-aid measures

After inhalation dust: consult doctor in case of symptoms.

After skin contact: Instantly wash with water and soap and rinse thoroughly.

After eye contact: Rinse open eye thoroughly with plenty of water. Consult doctor in case of symptoms.

After swallowing: In case of swallowing rinse mouth with plenty of water. Consult doctor in case of symptoms.

5. Fire-fighting measures

Extinguishing media: CO_2 , dry powder, water mist

Particular danger caused by material, it's combustion products or gases: In the event of fire the product may give off toxic fumes.

Special protective equipment: In the case of fire, wear respirator independent of surrounding air.

In accordance with EU Directives

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6. Accidental release measures

Procedure for cleaning: Adsorb mechanically and collect in a suitable container. Avoid production from dust.

7. Handling and storage

Directions for safe handling: Handling as usual for working with chemicals. Avoid production of dust. Avoid skin and eye contact. Keep away from food and drink stuffs. Don't smoke. Adequate ventilation should be provided!!!

Personal Protective Equipment: Where local exhaust Ventilation is not practicable: use mask for dust protection

Storage: Store in a cool and dry place. Keep away from concentrated acids.

8. Exposure controls/Personal protection

No more instructions. See 7.

Components with work-place related limits to be monitored:

MAK: 0,04 mg/kg (respirable dust)

If workplace exposure limit is exceeded apply respiratory protective equipment

9. Physical and chemical properties

Form: powder

Colour: yellow/orange/red

Odour: odourless

Density: 3 - 5 g / ml

PH value: 7

Melting point: Decomposes at 450 - 500 °C

10. Stability and reactivity

Stability: No decomposition when stored and handled correctly.

Materials/Conditions to avoid: Concentrated acids may release toxic and flammable hydrogen sulphide gas.

11. Toxicological information

Acute toxicity: LD 50 (oral, rat) > 2000 mg/kg

Health effects: Prolonged or repeated exposure above occupational exposure standards may cause lung or kidney damage.

12. Ecological information

The product should not be allowed to enter drains or water courses.

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13. Disposals considerations

Do not dispose in domestic waste.

Can be disposed of with domestic refuse in accordance with necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities.

14. Transport information

Dangerous according to the transport regulations

GGVS/GGVE/RID/ADR/IMDG no

15. Regulatory Information

On the basis of information available to us, this product is not a hazardous substance in the sense of the law on chemicals or the regulations on hazardous substances in the version which is currently valid.

16. Other information

The data presented here correspond to the present state of our knowledge and experience and are intended to describe our product with respect to possible safety demands. We imply with this however no guarantee of properties or description of qualities.