

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

series 18 - Pigments (Cadmium-pigments)

Article No.		Issue date:	21.11.17
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

- 18 226 - cadmium lemon
- 18 227 - cadmium yellow light
- 18 229 - cadmium yellow deep
- 18 231 - cadmium orange
- 18 360 - cadmium red light
- 18 361 - cadmium red deep

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use

Products for creation of art.

Uses advised against

1.3 Details of the supplier of the safety data sheet

H. Schmincke & Co. GmbH & Co. KG
Otto-Hahn-Str. 2
D - 40699 Erkrath
Tel. +49 (0) 211-2509-0
Fax. +49 (0) 211-2509-497
info@schmincke.de
www.schmincke.de

Dept. responsible for information

Schmincke-lab:
mo-th 8.00-16.30, fr 8.00-13.30
Tel. +49 (0) 211-2509-474
labor@schmincke.de

1.4 Emergency telephone number

**Emergency
Information
Phone #**

**Emergencycall Berlin
(24h - counseling in german and english)
+49 (0) 30-30686790**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

no hazard labelling required

2.2 Label elements

Labelling (CLP)

Signal word

Hazard statements

no hazard labelling required

Safety precautions

P260 Do not breathe dust.

2.3 Other hazards

SECTION 3: Composition / information on ingredients

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3.1 Substances

Chemical characterisation

pigment

CAS-Number

EINECS / ELINCS / NLP

EU index number

Customs tariff number

REACH registration No.

RTECS-no.

Hazchem-Code

CI-Number

18 226 - PY 35 / 8048-07-5; 7727-43-7

18 227 - PY 35 / 8048-07-5; 7727-43-7

18 229 - PO 20 / 12656-57-4

18 231 - PO 20 / 12656-57-4

18 360 - PO 20 / 12656-57-4

18 361 - PR 108 / 58339-34-7; 7727-43-7

3.2 Mixtures

Additional information

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible).

In case of inhalation

In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

In case of skin contact

Wash with generous amount of water and soap. May cause sensitisation especially in sensitive humans. Frequently or prolonged contact with skin may cause dermal irritation.

After eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if irritation persists.

After swallowing

Rinse mouth with water. Seek medical treatment in case of troubles.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Extinguishing media which must not be used for safety reasons

water Full water jet,

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: sulphur oxides, Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

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Special protective equipment for firefighters
Additional information

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing.

6.2 environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically. Wash spill area with plenty of water.

Additional information

6.4 Reference to other sections

Dispose of waste according to applicable legislation. refer to section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Wash hands before breaks and after work.

Precautions against fire and explosion

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep container tightly closed.

Hints on joint storage

Storage class

Further details

Protect from moisture contamination.

7.3 Specific end use(s)

No special measures necessary if stored and handled as prescribed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Occupational exposure controls

Respiratory protection

With the formation of dust, use a dust mask.

Particle filter device (DIN EN 143)

Hand protection

Protect skin by using skin protective cream.

Eye protection

In case of dust formation: tightly sealed goggles according to EN 166

Body protection

Wear suitable protective clothing. Wash contaminated clothing prior to re-use.

General protection and hygiene measures

Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 information on basic physical and chemical properties

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Form Powder
Colour -
Odour odourless

min max

Initial boiling point and boiling range
Melting point/freezing point
Flash point/flash point range
Flammability
Ignition temperature
Auto-ignition temperature
Explosion limits
Refraction index

Partition coefficient: n-octanol/water
Danger of explosion

Vapour pressure
Density 3 - 5 g/ml 20 °C
PH value 0 0

Viscosity dynamic of
Viscosity dynamic up to

Viscosity kinematic of
Viscosity kinematic up to

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Product is stable under normal storage conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

heat

On heating or in case of fire toxic gases may form.

10.5 Incompatible materials

strong acids

10.6 Hazardous decomposition products

hydrogen sulfide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50(Rat): > 5000 mg/kg

Data arise from reference works and literature.

In case of inhalation

No data available

After swallowing

No data available

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In case of skin contact
No data available

After eye contact
No data available

Practical experience

General remarks

Toxicological tests

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity
Water Hazard Class 1
WGK catalog number
General information

12.2 Persistence and degradability

Further details
Product is partially biodegradable.
Oxygen demand

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)
Partition coefficient: n-octanol/water

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information

Ecotoxicological effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number 080112 080112 waste paint and varnish other than those mentioned in 080111
Recommendation

Contaminated packaging

Waste key number
Recommendation

Additional information

Send to a hazardous waste incinerator facility under observation of official regulations.

SECTION 14: Transport information

14.1 UN number

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14.2 UN proper shipping name

ADR, ADN No dangerous good in sense of these transport regulations.
IMDG, IATA

14.3 Transport hazard class(es)

ADR, ADN
IMDG
IATA

14.4 Packing group

14.5 Environmental hazards

Marine Pollutant - IMDG
Marine Pollutant - ADN

14.6 Special precautions for user

Land transport

Code: ADR/RID
Kemmler-number
Hazard label ADR
Limited quantities
Contaminated packaging: Instructions
Contaminated packaging: Special provisions
Special provisions for packing together
Portable tanks: Instructions
Portable tanks: Special provisions
Tank coding
Tunnel restriction
Remarks
EQ
Special provisions

Inland waterway craft

Hazard label
Limited quantities
Transport permitted
Equipment necessary
Ventilation
Remarks
EQ
Special provisions

Sea transport

EmS
Special provisions
Limited quantities
Contaminated packaging: Instructions
Contaminated packaging: Special provisions
IBC: Instructions
IBC: Provisions
Tank instructions IMO
Tank instructions UN
Tank instructions Special provisions
Stowage and segregation
Properties and observations

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Remarks
EQ

Air transport

Hazard
Passenger
Passenger LQ
Cargo
ERG
Remarks
EQ
Special Provisioning

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Europe

Contents of VOC [%]
Contents of VOC
[g/L]
Further regulations, limitations and legal requirements

Germany

Storage class
Water Hazard Class 1
WGK catalog number
Incident regulation
Information on working limitations
Further regulations, limitations and legal requirements

Denmark

Further regulations, limitations and legal requirements

Hungary

Further regulations, limitations and legal requirements

Great Britain

Further regulations, limitations and legal requirements

Switzerland

Contents of VOC [%]
0
Further regulations, limitations and legal requirements

USA

Further regulations, limitations and legal requirements
Federal Regulations
State Regulations

Japan

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Further regulations, limitations and legal requirements

Canada

Further regulations, limitations and legal requirements

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Hazard statements (CLP)

Further information

This information is based on our current state of knowledge and describes the security standards applicable to our product for the purpose provided. The information provided here does not constitute a legally binding warranty of specific characteristics or of suitability for a specific application use of the product is thus to be adapted to the user's special conditions and checked by preliminary tests. We are thus unable to guarantee product characteristics or accept an liability for damage arising in connection with the use of our products.

Literature

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Reason of change

Additional information