

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 1

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Studio Yellow

Article No.: 23850

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Chemical-technical industry

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Organic substances in powder form may have the potential to
next page:

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 2

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

cause dust explosions.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

*Pigment Yellow 3, C.I. No. 11710; EINECS: 229-355-1
2-[(4-chloro-2-nitrophenyl)azo]-N-(2-chlorophenyl)-3-oxobutyramide, REACH Reg.-Nr. 01-2119958813-27-0000*

Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air and keep patient calm.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion:

Do not induce vomiting. Consult physician immediately.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No further information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, water jet.

Unsuitable extinguishing media:

Carbon dioxide, water jet, dry extinguishing powder.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon oxides, nitrogen oxides.

5.3. Advice for Firefighters

Protective equipment:

next page: 3

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 3

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Avoid formation of dust.

Keep away from sources of heat and ignition.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.

Take precautionary measures against static discharges; risk of dust explosion.

6.4. Reference to other Sections

For information for safe handling see Section 7.

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust.

Hygienic measures:

Wash hands at the end of work. Preventive skin protection recommended.

Take off contaminated clothing immediately and reuse only after thoroughly cleaning these.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in closed container and keep product dry.

Requirements for storage areas and containers:

Keep container tightly closed.

Information on fire and explosion protection:

Take measures to prevent static electricity discharge, earth/ground all equipment.

Keep away from sources of ignition.

Dust may form an explosive mixture with air.

Storage class (VCI):

11; Combustible solids

next page: 4

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 4

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

Further Information:

Shelf-life: > 12 months

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled (EC):

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Adequate ventilation.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and after work.

Wash contaminated clothes before reuse.

Preventive skin protection by applying protective cream.

Respiratory protection:

Dust mask recommended when very dusty.

Hand protection:

Suitable protective gloves recommended, e.g. glove material: nitrile rubber (NBR).

Protective glove material:

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

next page: 5

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 5

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>yellow</i>
<i>Odor:</i>	<i>weak</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>5.5 - 8.5</i>
<i>Melting temperature:</i>	<i>255°C</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not available</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>< 0.000001 Pa (25°C)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.58 g/cm³ (20°C)</i>
<i>Solubility in water:</i>	<i>not determined</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>2.9 (25°C)</i>
<i>Auto-ignition temperature:</i>	<i>> 260°C (VDI 2263)</i>
<i>Decomposition temperature:</i>	<i>> 260°C (Heat rate: 3 K/m in)</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Risk of dust explosion.</i>
<i>Oxidizing properties:</i>	<i>not oxidizing</i>

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

next page: 6

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 6

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

Burning class:

Combustion factor 1: no scorching.

Solvent content:

Solid content:

Particle size:

Other information:

Minimum ignition energy: 38 - 56 mJ

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Dust can form explosive mixtures with air.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat, open fire and other ignition sources.

Thermal decomposition:

260°C (heating rate: 3 K/min) (Method: DTA)

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.
Carbon monoxide, carbon dioxide and nitrogen oxide.
Compounds of chlorine*

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 2000 mg/kg (rat)

LD50, dermal: > 2000 mg/kg (rat; OECD 402)

*LC50, inhalation:
not determined*

Primary effects

*Irritant effect on skin:
Non irritating (rabbit)*

*Irritant effect on eyes:
Non-irritating to eyes (rabbit)*

*Inhalation:
No information available.*

next page: 7

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 7

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

Ingestion:

No information available

Sensitization:

Not sensitizing (mouse; OECD 429).

Mutagenicity:

Gentoxizität *in vitro*: PRIVAL Modification of AMES Test for Azo Dyes: Conc.: 3 - 5000 (*Salmonella typhimurium*; OECD 471): negative

Gentoxizität *in vitro*: PRIVAL Modification of AMES Test for Azo Dyes: Conc.: 3 - 5000 (*Escherichia coli*; OECD 471): negativ

Reproductive toxicity:

First Generation Study

NOAEL Parents: 1000 mg/kg (Exposure period: 32d (m), >32d (f), Frequency of treatment: once daily, Expo-time before mating/male: 14d, Expo-time before matine/female: 14d, Dosage: 100 - 300 - 1000 mg/kg, rat, male/female)

NOAEL F1: 1000 mg/kg (Exposure period: 32d (m), >32d (f), Frequency of treatment: once daily, Expo-time before mating/male: 14d, Expo-time before matine/female: 14d, Dosage: 100 - 300 - 1000 mg/kg, rat, male/female) (OECD 422)

No reproductive toxicity expected.

Cancerogenity:

No data available.

Teratogenicity:

NOAEL: 1000 mg/kg (32d (m), > 32d (f), once daily, dosage: 100 - 300 - 1000 mg/kg, rat, male/female; OECD 422)

NOAEL: 24.7 mg/kg (rat, inhalative)

Specific target organ toxicity (STOT):

Repeated exposure: Subacute toxicity (oral): NOAEL: > 1000 mg/kg (43 days, rat)

No negative effects.

Additional toxicological information:

Aspiration hazard: not applicable

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

No negative effects (NOEC: 96h, *Danio rerio*; OECD 203)

Daphnia toxicity:

NOEC: > 100 mg/mg (48h, *Daphnia magna*)

NOEC: > 1 mg/l (21d, *Daphnia magna*; OECD 211)

LOEC: > 1 mg/l (21d, *Daphnia magna*; OECD 211)

Bacteria toxicity:

NOEC: > 1000 mg/l (3h; active sludge; OECD 209)

Toxicity to soil dwelling organisms:

NOEC: 1000 mg/kg (56d, *Eisenia foetida*; OECD 222)

LOEC: > 1000 mg/kg (56d, *Eisenia foetida*; OECD 222)

next page: 8

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 8

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

Toxicity to Terrestrial Plants:

NOEC: 1000 mg/kg (21d, *Brassica napus*; OECD 208)

NOEC: 1000 mg/kg (21d, *Avena sativa*; OECD 208)

NOEC: 1000 mg/kg (21d, *Dicotyledonae: Glycine max*; OECD 208)

Algae toxicity:

EC50: > 1 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

NOEC: 1 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

LOEC: > 1 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

EC50 (Biomass): > 1 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

NOEC (Biomass): 1 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

LOEC (Biomass): > 1 mg/l (72h, *Desmodesmus subspicatus*; OECD 201)

12. 2. Persistence and Degradability

Not readily biodegradable.

5 % (28d, BOD in % of ThOD): *not readily biodegradable* (OECD 302C)

1 % (28d, BOD in % of ThOD): *not readily biodegradable* (OECD 301F)

12. 3. Bioaccumulation

Product only has a low bioaccumulation.

logPOW: < 3

12. 4. Mobility

Low potential to adsorb on soil (logPOW < 3)

12. 5. Results of PBT- und vPvP Assessment

No data available.

12. 6. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

No data available.

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Packaging may be disposed of in the same manner as the

next page: 9

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 9

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

product.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water

next page: 10

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



23850 Studio Yellow

Page 10

Revised edition: 21.10.2013

Version: 5

Printed: 01.10.2015

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.