

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 1

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

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

1.1. Product Identifier

Product Name: Isoindolinon Yellow

Article No.: 23660

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

Identified uses:

Chemical-technical industry
Paint and varnish industry
Plastics industry.
Printing inks

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet

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

EMail: info@kremer-pigmente.de

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 is not classified as hazardous according to the CLP/GHS Directive.

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

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

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 2

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Pigment Yellow 213, C.I. 117875

Hazardous Ingredients:

1-Methyl-2-pyrrolidone (Repr.Cat.2, Xi; R61-36/37/38; GHS07-08; H360-315-319-335); REACH Reg. No. 01-2119472430-46-xxxx	< 0.5 %	CAS-Nr: 872-50-4 EINECS-Nr: 212-828-1 EC-Nr: 606-021-00-7
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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 for at least 5 minutes.
Protect unharmed eye.*

After ingestion:

Do NOT induce vomiting. Consult a doctor.

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

Symptoms:

None known.

Effects:

No further information available.

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

Treatment:

Treat symptomatically.

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 and nitrogen oxides.

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 3

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

Keep away from sources of ignition. No smoking.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

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

Clean with water.

Moisten die spillage with water before mechanically removing it. Label the waste container using the hazard labelling from the original container.

6.4. Reference to other Sections

Keep away from ignitable sources.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust.

Hygienic measures:

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

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

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in a cool and dry place.

Do not store together with food stuff and animal feed.

Requirements for storage areas and containers:

Storage: In the original container.

Information on fire and explosion protection:

Ground and bond containers when transferring material.

Keep away from sources of ignition.

Dust may form an explosive mixture with air.

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 4

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

Dust explosion class 2 (Kst-value 200-300 bar m/s).

Storage class (VCI):

10-13

Further Information:

Shelf-life: > 12 months

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Does not contain substances with occupational exposure limits.

Parameters to be controlled (DE):

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:

Personal Protection

General protective measures:

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

Remove contaminated clothing. Wash hands after work.

Respiratory protection:

Dust mask recommended when very dusty.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Protective gloves (nitrile rubber).

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:

Do not allow entering sewerage system.

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 5

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>yellow</i>
<i>Odor:</i>	<i>odorless</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>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</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>not determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.52 g/cm³</i>
<i>Solubility in water:</i>	<i>< 0.02 mg/l (20°C)</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>-1.5 logPOW (OECD 107)</i>
<i>Auto-ignition temperature:</i>	<i>> 310°C</i>
<i>Decomposition temperature:</i>	<i>> 280°C (3 K/min)</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	<i>280 kg/m³ (20°C)</i>

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 6

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

9.2. Further Information

Solubility in solvents:

1-Octanol: < 0.04 mg/l (20°C)

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size: 6.5 µm

Other information:

*Burning class 3 (Local burning without spreading)
Minimum ignition energy: 6 - 13 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

Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid ignition sources and electrostatic charging.

Thermal decomposition:

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

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

LD50, dermal:
No information available.

LC50, inhalation:
No information available.

Primary effects

Irritant effect on skin:
Non irritating (rabbit)

Irritant effect on eyes:

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 7

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

Non-irritating to eyes (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Not sensitizing.

Mutagenicity:

Not mutagenic (Ames Test)

Reproductive toxicity:

No data available.

Cancerogenity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

By analogy with a product of similar composition.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

LC50: > 100 mg/l (96h, Cyprinus carpio; OECD 203)

Daphnia toxicity:

EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC50: > 1000 mg/l (3h; active sludge; OECD 209)

Algae toxicity:

No negative effects.

12.2. Persistency and Degradability

According to the criteria of the OECD (301B), this product is not readily biodegradable but inherently biodegradable.

12.3. Bioaccumulation

Not applicable.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

No data available.

12.6. Other Adverse Effects

Water hazard class:

Do not let product contaminate ground water, waterways or

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 8

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Packaging may be disposed of in the same manner as the 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:

Material Safety Data Sheet

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



23660 Isoindolinon Yellow

Page 9

Revised edition: 12.01.2012

Version: 6

Printed: 12.08.2014

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

IMDG: not applicable

14. 8. Further Information

Do not store together with foodstuffs.

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

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.

EC SVHC-List: This product is a mixture which contains the following substance in the candidate list for substances of very high concern (SVHC): M-Methyl-2-pyrrolidone.

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.