

\* **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Trade name:** IQC Ink OWB Yellow 13  
IQC Ink OWB Yellow 13 O  
IQC Ink SBF Yellow 13 ST  
IQC Ink SBF Yellow 13 T  
IQC Ink SBI Yellow 13  
IQC Plast Yellow 13

**CAS Number:**

5102-83-0

**EC number:**

225-822-9

**Name:**

2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide]

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

No further relevant information available.

**Application of the substance / the mixture** Dyestuff/Colouring agent

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

IQChem Inc.  
Benkenstrasse 254  
CH-4108 Witterswil  
Tel. +41-61-72195-40  
Fax +41-61-72195-41  
Mail info@iqchem.com

**E-Mail competent person:** info@hdcc-hh.de

**1.4 Emergency telephone number:** 0041-44-251 51 51 (short number for Switzerland: Tel. 145)

\* **SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

The substance is not classified according to the CLP regulation.

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**Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.  
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**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Precautionary statements** Void

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

\* **SECTION 3: Composition/information on ingredients**

**3.1 Chemical characterisation: Substances**

**CAS No. Description**

5102-83-0 C.I. Pigment Yellow 13

**Name:**

2,2'-[(3,3'-Dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[N-(2,4-dimethylphenyl)-3-oxobutyramide]

(Contd. on page 2)

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(Contd. of page 1)

**Identification number(s)**

**EC number:** 225-822-9

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Immediately rinse opened eye for several minutes (10-15 min.) under running water.

Seek medical treatment.

**After swallowing:**

Rinse mouth thoroughly with water.

Seek medical treatment.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**Unsuitable extinguishing media:** Water with full jet

**5.2 Special hazards arising from the substance or mixture**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen chloride (HCl)

**5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment.

Avoid contact with eyes, skin and clothing.

**6.2 Environmental precautions:** Do not allow to enter sewers, surface or ground water.

(Contd. on page 3)

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(Contd. of page 2)

**6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.  
Send for recovery or disposal in suitable receptacles.

**6.4 Reference to other sections**

See section 7 for information on safe handling.  
See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

\* **SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Avoid formation of dust.  
Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

**Information about fire - and explosion protection:**

Dust can combine with air to form an explosive mixture.  
Keep ignition sources away - Do not smoke.  
Protect from heat.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

**Further information about storage conditions:** None.

**Storage class:** 11 Combustible solids (Germany)

**7.3 Specific end use(s)** No further relevant information available.

\* **SECTION 8: Exposure controls/personal protection**

**Additional information about design of technical facilities:**

Use process enclosure and exhaust ventilation to keep dust concentrations below permissible limits.

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

Observe all workplace limits for dusts.

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**Respiratory protection:** Filtering mask P

**Protection of hands:**

Chemical resistant gloves (EN 374)

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

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

After use of gloves apply skin-cleaning agents and skin cosmetics.

**Material of gloves**

For undissolved solids the following materials may be suitable:

Butyl rubber, BR

Nitrile rubber, NBR

Chloroprene rubber, CR

Fluorocarbon rubber (Viton)

(Contd. on page 4)

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(Contd. of page 3)

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Eye glasses with side protection type 4 (DIN EN 166)

**Body protection:** Protective work clothing

**Limitation and supervision of exposure into the environment** See 6.2

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Powder
<b>Colour:</b>	Yellow
<b>Odour:</b>	Odourless
<b>Odour threshold:</b>	Not applicable.
<b>pH-value:</b>	Not applicable.

**Change in condition**

<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	Not determined.

**Flash point:** Not determined.

**Flammability (solid, gaseous):** Not determined.

**Ignition temperature:** Not determined.

**Decomposition temperature:** Not determined.

**Self-igniting:** Not determined.

**Danger of explosion:** The product is not explosive. However, formation of explosive dust/air mixtures is possible.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Oxidising properties** Not determined.

**Vapour pressure:** Not applicable.

**Density:** Not determined.

**Relative density** Not determined.

**Vapour density** Not applicable.

**Evaporation rate** Not applicable.

**Solubility in / Miscibility with**

<b>water:</b>	Insoluble.
<b>organic solvents:</b>	Insoluble in: Methanol Ethyl acetate

**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**

**Dynamic:** Not applicable.

(Contd. on page 5)

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(Contd. of page 4)

**Kinematic:** Not applicable.

**9.2 Other information** No further relevant information available.

\* **SECTION 10: Stability and reactivity**

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability** No further relevant information available.

**10.3 Possibility of hazardous reactions**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No further relevant information available.

\* **SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:**

Oral LD50 > 2000 mg/kg (Rat)

Dermal LD50 > 3000 mg/kg (Rat)

**Primary irritant effect:**

**on the skin:** No data available.

**on the eye:** No data available.

**Corrosivity:** No data available.

**Sensitisation:** No data available.

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** No data available.

**STOT-single exposure:** No data available.

**STOT-repeated exposure:** No data available.

**Aspiration hazard:** No data available.

**Additional toxicological information:**

Further hazardous properties can not be excluded.

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

\* **SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

EC50/48h > 1000 mg/L (Daphnia magna)

LC50/96h 124 mg/L (Oncorhynchus mykiss)

**12.2 Persistence and degradability** Not applicable, insoluble in water.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

(Contd. on page 6)

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(Contd. of page 5)

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.  
**vPvB:** Not applicable.

**12.6 Other adverse effects**

Water hazard class 3 (German Regulation) (Assessment by list): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system.

\* **SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation** Dispose of waste according to official regulations.

**Waste disposal key:**

The allocation of waste identity numbers / waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Uncleaned packaging:**

**Recommendation:** Dispose of waste according to official regulations.

**SECTION 14: Transport information**

**14.1 UN-Number**

**ADR, ADN, IMDG, IATA** Void

**14.2 UN proper shipping name**

**ADR, ADN, IMDG, IATA** Void

**14.3 Transport hazard class(es)**

**ADR, ADN, IMDG, IATA**

**Class** Void

**14.4 Packing group**

**ADR, IMDG, IATA** Void

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**UN "Model Regulation":** -

\* **SECTION 15: Regulatory information**

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

No further relevant information available.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

\* **SECTION 16: Other information**

This information is based on our present state of knowledge. However, this shall not constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

This safety data sheet assumes high professional standards when handling chemicals. Whenever there is no particular recommendation in this safety data sheet, these high professional standards

(Contd. on page 7)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31**

Page 7/7

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(Contd. of page 6)

have to be applied. All information refers to the original product as supplied and is based on our current state of knowledge.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

**Department issuing MSDS:**

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**\* Data compared to the previous version altered.**

EU