

Säkerhetsdatablad



Safety data sheet

according to 1907/2006/EC, Article 31

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: Premium refill ink cartridge for Quadient IS-350 & IX3 (SE)
Premium refill ink cartridge for Quadient IS-420, IS-440, IS-480, iX-5 & iX-7 (SE)

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

Inkjet cartridges for postal application

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CM printing GmbH
Zechenring 12b
DE 41836 Hückelhoven
www.cm-printing.de

1.4 Emergency telephone number:

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



Warning, Skin Irrit. 2, Causes skin irritation.
Warning, Eye Irrit. 2, Causes serious eye irritation.
Warning, Skin Sens. 1, May cause an allergic skin reaction.



Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell

P332+P313 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with applicable regulations.

Additional information:

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. Composition/information on ingredients

3.1. Chemical characterisation:

Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 629-11-8 EINECS: 211-074-0	1,6 Hexanediol	Acute Tox. 4, H302	1-10%
CAS: 616-45-5 EINECS: 210-483-1	2-pyrrolidone	Skin Irrit.2; H315 Eye Irrit.2; H319	10-15%

CAS: 56-81-5 EINECS: 200-289-5	Glycerin	None	1-5%
CAS: 111-46-6 EINECS: 203-872-2	Diethylene Glycol	Skin Irrit.2; H315 Eye Irrit.2; H319 STOT RE2; H373 organ damage/rep exp	1-10%
CAS: 7732-18-5 EINECS: 231-791-2	Water	None	60-70%
CAS: 147-14-8 EINECS: 205-685-1	Pigment Blue 15:3	None	1-5%
CAS: 2634-33-5 EINECS: 220-120-9	1,2 benzisothiazolin- 3(2H)-one	Acute Tox. 4; H302 Skin Irrit.2; H315 Eye Damage 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400	< 0.05%

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult have qualified personnel administer oxygen.

After skin contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water until no traces of the chemical remains. Get medical attention if irritation develops or persists. Launder contaminated clothing before reuse. Discard contaminated clothing such as shoes that cannot be decontaminated.

After eye contact: Flush eyes with water for 15 minutes while lifting the upper and lower lids. Get medical attention immediately if symptoms occur.

After swallowing: Call a poison control center or doctor immediately for treatment advice. If conscious, give one 8 ounce glass of water to dilute. DO NOT induce vomiting unless directed by medical personnel. Do not give anything by mouth to or induce vomiting in a person who is unconscious or convulsing.

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.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use CO₂, foam, water or dry chemical.

5.2 Special hazards arising from the substance or mixture

Hazardous Combustion Products:

Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides

5.3 Advice for firefighters

Protective equipment: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposed containers and structures with water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Wear safety glasses and wear gloves.

6.2 Environmental precautions:

Keep out of waterways.

6.3 Methods and material for containment and cleaning up:

Wipe up with absorbent material such as absorbent clay, paper towels, or wet mop

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.

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Wear safety glasses and gloves.

7.2 Conditions for safe storage, including any incompatibilities

Protect containers from physical damage. Store in a cool, dry area away from oxidizers and other incompatible materials. Keep away from heat and sources of ignition. Empty containers retain product residues and are hazardous. Follow all SDS precautions in handling empty containers.

7.3 Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Proprietary Glycols	
TWA	TWA: 10 mg/m ³ (particulate) AIHA WEEL
56-81-5 glycerol	
WEL	TWA: 15 mg/m ³ mist total particulate TWA: 5 mg/m ³ mist respirable fraction

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Ventilation:

Provide adequate general or local exhaust ventilation to maintain vapor concentrations below the exposure limits.

Respiratory Protection:

Use NIOSH approved respirator with organic vapor cartridges or supplied air respirator if needed. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

Eye Protection:

Chemical safety goggles if splashing is possible.

Protective Clothing:

Nitrile rubber or other impervious gloves are recommended if contact is likely. Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible.

Other Protective Equipment:

For operations where contact can occur, an eye wash facility should be immediately available.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information:

Appearance:	Blue liquid
Flash Point:	Not Available
Boiling Point (@760 mmHg) :	>212F
Specific Gravity (H2O=1):	1.05
Vapor Pressure:	17.5 mmHg
Vapor Density (Air=1):	Heavier than air
Solubility in Water:	Complete
Flammability (solid, gas) -	Not Applicable
Flammability Limits in Air	
Upper Flammability Limit:	None
Lower Flammability Limit:	None
Odor:	Mild
Viscosity (mPa's)	1 – 5
Freezing Point:	Not Available
Coefficient of Water /Oil:	Not Available
Evaporation Rate:	< Butyl Acetate
pH:	7.0 – 9.0
Melting Point:	Not Available
Relative Density: Not Available	
Auto ignition Temperature(C): Not Available	
Decomposition Temperature(C): Not Available	

9.2 Other information No further relevant information available.

10. Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No further relevant information available.

10.5 Incompatible materials:

Strong oxidizing agents, strong acids and strong bases.

10.6 Hazardous decomposition products:

Thermal decomposition may yield carbon monoxide, carbon dioxide, nitrogen oxides and acrolein.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Primary irritant effect:

Skin corrosion/irritation Non-irritant

eye damage/irritation Mild irritation

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure H373-May cause damage to kidneys (repeated exposure)

Aspiration hazard Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Toxicity

Aquatic toxicity:

2-Pyrrolidone	EC50/48hour daphnia magna.500mg/l LC50/48 hour golden orfe.500mg/l
Glycols	No Data Available
Glycerin	Oral rat LD50: 12,000mg/k Skin rabbit LD50: 10,000 mg/k
1,6 Hexanediol	No Data Available
Pigment Blue 15:3	No Data Available

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with all local, state and federal regulations.

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:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15. Regulatory information

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

15.1.1 EU Regulations: Contains no REACH substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. Other information

Full text of H-Statements referred to under sections 2 and 3

H302 – Harmful if swallowed.

H315 – Causes skin irritation.

H317 – May cause an allergic reaction.

H318 – Causes serious damage.

H319 - Causes serious eye irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

H400 – Very toxic to aquatic life

STOT RE2 – Specific target organ toxicity – Repeated exposure, Category 2.

TWA – Total Weighted Average

PEL – Permissible Exposure Limit