

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product name : IQ2392A
SDS Number : 11A127

Date Prepared : 14.03.2013
Revision Date : 09.11.2016

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

1.1 Product identifier

Product name : IQ2392A

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

Use of the substance/mixture : Ink for ink jet printer

1.3 Details of the supplier of the safety data sheet

Company : GENERAL CO., LTD.
18, Satsukigaoka, Minakuchi-cho, Koka-shi, Siga 528-0062, Japan

Telephone : +81-748-65-2260

Fax : +81-748-63-1922

E-mail : qa_1@general.co.jp

1.4 Emergency telephone number : +81-748-65-2260

2. Hazards identification

2.1 Classification of the substance or mixture

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

: Acute Tox. 4

Eye Dam. 1

Repr. 2

STOT RE 2

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008

Hazard pictograms :



Signal word : Danger

Hazard statements : Harmful if swallowed.

Causes serious eye damage.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure (testes).

Precautionary statements

Prevention

: Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

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

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Response

: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Storage

: Store locked up.

Disposal

: Dispose of contents/container in accordance with local/regional/national/international regulations.

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2.3 Other hazards

None known

3. Composition/information on ingredients

3.1 Chemical characterization : Mixture

3.2 Ingredients

Components	CAS No.	EC Number	Contents (wt %)	Classification (EC) No 1272/2008
1,3-Dimethyl-2-imidazolidinone	80-73-9	201-304-8	45 - 55	Acute Tox. 4: H302 Eye Dam. 1: H318 Repr. 2: H361 STOT RE 2: H373
Water	7732-18-5	273-791-2	35 - 45	Not classified
Isopropyl Alcohol	67-63-0	200-661-7	2 - 5	Flam. Liq. 2: H225 Eye Irrit. 2: H319 STOT SE 3: H336
Organic Compounds	Confidential	Confidential	2 - 5	Not classified
Modified Carbon Black	Confidential	Confidential	1 - 5	Not classified

4. First aid measures

4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
- Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Get medical advice/attention if you feel unwell.
- Skin contact : Wash thoroughly with soap and plenty of water while removing all contaminated clothes.
If skin irritation occurs: Get medical advice/attention.
- Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to remove. Continue to rinse for at least 15 minutes.
Get medical attention immediately.
- Ingestion : Wash mouth with water and seek medical advice immediately.
- Information for doctor : No information is available.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Water, Foam, CO₂, Dry Chemical and others.
- Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides will form in fire.

5.3 Advice for firefighters

Fight fire from the windward side if possible. Wear suitable protective suit and self-contained breathing apparatus.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment as specified in section 8.

6.2 Environmental precautions

Do not release into soil, sewers, river, or the public water courses.

6.3 Methods and materials for containment and cleaning up

In the case of a cartridge: Not applicable.

At the time of the leakage of contents: Spills should be cleaned up with absorbent materials.

6.4 Reference to other sections

Refer to Section 7, 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Prohibition of dropping and throwing.

Avoid contact with skin, eyes and clothing. Do not breathe vapours. Use only in a well-ventilated area.

When using do not eat or drink. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Do not store ink in high or freezing temperature. Keep away from heat and direct sunlight.

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3 Specific end uses

No further relevant information available.

8. Exposure controls/personal protection

8.1 Control parameters

Components	CAS No.	EU-OEL (TWA)	EU-OEL (STEL)
1,3-Dimethyl-2-imidazolidinone	80-73-9	Not determined	Not determined
Isopropyl Alcohol	67-63-0	200 ppm, 500 mg/m ³	400 ppm

8.2 Exposure controls

Engineering measures

Local Exhaust : Adequate ventilation should be provided so that exposure limits are not exceeded.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection : Wear light-weight plastic or rubber gloves for routine industrial use.

Eye protection : Wear appropriate protective eyeglasses or safety goggles.

Skin and body protection : Work clothes with long sleeves.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Water type ink
Colour : Black
Odour : No strong odour is allowed.
pH : 9.5 - 10.5
Melting point : No data available

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Boiling point	:	No data available
Flash point	:	Not detected.
Evaporation rate	:	No data available
Upper/lower explosive limits	:	No data available
Vapour pressure	:	No data available
Vapour density	:	No data available
Relative density	:	No data available
Water solubility	:	Solubility
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	5.5 - 6.1 mPa·s (at 25 degree C)
Explosive properties	:	This product is considered no explosive material under normal use condition.
Oxidising properties	:	There is nothing in general storage and handling.

9.2 Other information

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity

No hazardous reactions with proper storage and handling.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

10.4 Conditions to avoid

Extreme high or low temperatures.

10.5 Incompatible materials

Acid and strong oxidizer.

10.6 Hazardous decomposition products

Carbon oxides, nitrogen oxides will form in fire.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity (oral)	:	1,3-Dimethyl-2-imidazolidinone	LD50 (rat)	1,190 µl/kg
		Isopropyl Alcohol	LD50 (rat)	ca. 3,437 mg/kg
Acute toxicity (dermal)	:	1,3-Dimethyl-2-imidazolidinone	LD50 (rabbit)	930 µl/kg
		Isopropyl Alcohol	LD50 (rabbit)	12,870 mg/kg

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : Causes serious eye damage.
1,3-Dimethyl-2-imidazolidinone
(rabbit) Minor to moderate corneal opacity, iritis, and moderate to severe conjunctivitis.

Isopropyl Alcohol (rabbit) Mild to severe irritation.

Respiratory or skin sensitization : No data available

Germ cell mutagenicity : No data available

Carcinogenicity : No data available

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

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Specific target organ systemic toxicity - Single exposure : No data available
Specific target organ systemic toxicity - Repeated exposure : May cause damage to organs through prolonged or repeated exposure (testes).
Aspiration hazard : No data available

12. Ecological information

12.1 Toxicity

Toxicity to fish : Isopropyl Alcohol LC50 (Oryzias latipes) >100 mg/l/96h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1 Waste treatment methods

Product : Dispose of waste material in accordance with local, state and federal pollution regulations.
Contaminated packaging : When disposing of an empty container, dispose after removing contents materials completely. Dispose of this material and its container according to your country law.

14. Transport information

International Regulations

UN number : Not regulated
UN proper shipping name : Not regulated
Class : Not regulated
Packing group : Not regulated

Sea transport

IMDG-Code : Not dangerous goods.

Air transport

ICAO-TI/IATA-DGR : Not dangerous goods.

Land transport

ADR/RID : Not dangerous goods.

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15. Regulatory information

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

EU regulations

(EC) No 1907/2006 (REACH)

Annex XIV (Authorisation) : Not regulated

Annex XVII (Restrictions on use) : Not regulated

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. Other information

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

- H225 : Highly flammable liquid and vapour.
- H302 : Harmful if swallowed.
- H318 : Causes serious eye damage.
- H319 : Causes serious eye irritation.
- H336 : May cause drowsiness or dizziness.
- H361 : Suspected of damaging fertility or the unborn child.
- H373 : May cause damage to organs through prolonged or repeated exposure.

The information contained herein is based on the current knowledge.

This Safety Data Sheet is intended to describe our products in correctness of safety requirements.

It should not therefore be construed as guaranteeing specific properties.

The data applies to only usual handling.