

# SAFETY DATA SHEET

IJC236 Y Yellow Ink



A CANON COMPANY

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

### 1.1 Product identifier

**Product name** : IJC236 Y Yellow Ink  
**Article number** : 29952267  
**Product code (Canon)** : 1832B003AB

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

**Identified uses** : Inkjet printing ink for CS2124/CS2136/CS2224/CS2236/CS2424/CS2436. Other uses are not recommended.

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

**Supplier** : Océ-Technologies B.V.  
**Address** : St. Urbanusweg 43, 5914 CA Venlo, the Netherlands  
**Telephone number** : +31 77 359 2222  
**e-mail address** : sds-hq@oce.com

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : United Kingdom: 111

#### Emergency telephone number

**Telephone number** : + 44 (0) 1235 239 670  
**Hours of operation** : 24h  
**Information limitations** : For chemical emergencies only.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

See Section 16 for the full text of the H statements declared above.

### 2.2 Label elements

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

#### Precautionary statements

**Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.  
**Supplemental label elements** : Safety data sheet available on request.

### 2.3 Other hazards

**Other hazards which do not result in classification** : To the best of our knowledge, with due observance of normal hygiene this product presents no health hazard in normal use.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/ingredient name   | Identifiers                         | %      | Classification           |   | Type    |
|---|-------------------------------------|--------|--------------------------|---|---------|
|   |                                     |        | 67/548/EEC               | Regulation (EC) No. 1272/2008 [CLP]   |         |
| Ethylene urea   | EC: 204-436-4<br>CAS: 120-93-4      | 5 - 10 | Xi; R36                  | Eye Irrit. 2, H319  | [1]     |
| Isopropyl alcohol   | EC: 200-661-7<br>CAS: 67-63-0       | 1 - 5  | F; R11<br>Xi; R36<br>R67 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>(Narcotic effects)                               | [1] [2] |
| Poly(oxy-1, 2-ethanediyl), alpha, alpha'-(1,4-dimethyl-1, 4-bis(2-methylpropyl)-2-butyne-1,4-diyl)bis (omega-hydroxy- | EC: 500-022-5<br><br>CAS: 9014-85-1 | 1 - 5  | Xi; R41                  | Eye Dam. 1, H318<br><br><br><br><br><b>See Section 16 for the full text of the H statements declared above.</b> | [1]     |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
- Inhalation** : If inhaled, remove to fresh air. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

- Eye contact** : May cause slight eye irritation.
- Inhalation** : No adverse effects are expected under intended use. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
- Skin contact** : May cause mild skin irritation. Non-sensitiser to skin.
- Ingestion** : Ingestion may cause abdominal pain, diarrhea, dizziness, drowsiness, dullness, headache, nausea and vomiting.

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

## SECTION 4: First aid measures

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Unsuitable extinguishing media** : None known.

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

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : No special protection is required.

## SECTION 6: Accidental release measures

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

- For non-emergency personnel** : Avoid contact with eyes, skin and clothing.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

- 6.2 Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

### 6.3 Methods and material for containment and cleaning up

- Small spill** : Wipe up small spills with disposable towels and transfer to a sealable, appropriate container for disposal. Dispose of according to all federal, state and local applicable regulations.
- Large spill** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Protective measures** : Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store in a dry and cool area. Store in original container, protected from direct sunlight. Keep away from heat, sparks and flame. Keep out of the reach of children.

### 7.3 Specific end use(s)

For professional users only.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values  |
|-------------------------|--|
| Isopropyl alcohol       | <b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b><br>STEL: 1250 mg/m <sup>3</sup> 15 minutes.<br>STEL: 500 ppm 15 minutes.<br>TWA: 999 mg/m <sup>3</sup> 8 hours.<br>TWA: 400 ppm 8 hours. |

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available

### 8.2 Exposure controls

- Appropriate engineering controls** : Use only with adequate ventilation.

#### Individual protection measures

- Hygiene measures** : Wash hands after handling compounds and before eating, smoking and using the lavatory and at the end of the day.
- Eye/face protection** : Not required during normal intended use of this product.
- Skin protection**
- Hand protection** : Not required during normal intended use of this product.
- Body protection** : Not required during normal intended use of this product.
- Other skin protection** : Not required during normal intended use of this product.
- Respiratory protection** : Not required during normal intended use of this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|  |  |
|--|--|
| Physical state                               | : Liquid.  |
| Colour                                       | : Yellow.  |
| Odour  | : Slight   |
| Odour threshold                              | : Not available.   |
| pH   | : 7 to 10  |
| Melting point/freezing point                 | : Not available.   |
| Initial boiling point and boiling range      | : Not available.   |
| Flash point                                  | : Closed cup: 61 to 63°C [Product does not sustain combustion.]        |
| Evaporation rate                             | : Not available.   |
| Flammability (solid, gas)                    | : Non-flammable.   |
| Upper/lower flammability or explosive limits | : Not available.   |
| Vapour pressure                              | : Not available.   |
| Vapour density                               | : Not available.   |
| Relative density                             | : 1 to 1,1   |
| Solubility(ies)                              | : Easily soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-octanol/ water      | : Not available.   |
| Auto-ignition temperature                    | : Not available.   |
| Decomposition temperature                    | : Not available.   |
| Viscosity                                    | : Dynamic (room temperature): 1 to 5 mPa·s                             |
| Explosive properties                         | : None (Estimate)  |
| Oxidising properties                         | : None (Estimate)  |

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

|   |  |
|---|--|
| 10.1 Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability                 | : The product is stable.   |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.            |
| 10.4 Conditions to avoid                | : None.  |
| 10.5 Incompatible materials             | : Acids, bases, oxidizing materials and reducing agents.                                     |
| 10.6 Hazardous decomposition products   | : Carbon dioxide (CO <sub>2</sub> ).<br>Carbon monoxide.<br>Ammonia.                         |

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result                 | Species | Dose        | Exposure |
|-------------------------|------------------------|---------|-------------|----------|
| Isopropyl alcohol       | LC50 Inhalation Gas.   | Rat     | 16000 ppm   | 8 hours  |
| -                       | LC50 Inhalation Vapour | Rat     | 72,6 mg/l   | 4 hours  |
| -                       | LD50 Dermal            | Rabbit  | 12800 mg/kg | -        |
| -                       | LD50 Oral              | Rat     | 5000 mg/kg  | -        |

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## SECTION 11: Toxicological information

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Irritation/Corrosion

#### **Conclusion/Summary**

**Skin** : Estimated. Mild irritant (rabbit). OECD No.404 (2002), Method B4

**Eyes** : Estimated. Slightly irritating (Rabbit). OECD No.405 (2002), Method B5

### Sensitisation

#### **Conclusion/Summary**

**Skin** : Estimated. Non-sensitizer (mouse). OECD No.429 (2002), Method B42

### Mutagenicity

| Product/ingredient name | Test   | Experiment                                     | Result   |
|-------------------------|--|--|----------|
| Isopropyl alcohol       | 476 In vitro Mammalian Cell Gene Mutation Test | Experiment: In vitro                           | Negative |
| -                       | 471 Bacterial Reverse Mutation Test            | Subject: Mammalian-Animal<br>Subject: Bacteria | Negative |

**Conclusion/Summary** : Ames test: Negative (S. typhimurium & E. coli)

### Carcinogenicity

| Product/ingredient name | Result                       | Species | Dose      | Exposure |
|-------------------------|------------------------------|---------|-----------|----------|
| Isopropyl alcohol       | Negative - Inhalation - TCLO | Rat     | >5000 ppm | -        |

**Conclusion/Summary** : No known significant effects or critical hazards.

### Reproductive toxicity

**Conclusion/Summary** : No known significant effects or critical hazards.

**Information on the likely routes of exposure** : Not available.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name | Result                               | Species                       | Exposure |
|-------------------------|--------------------------------------|-------------------------------|----------|
| Ethylene urea           | Acute EC50 16000 µg/l Fresh water    | Algae - Chlorella pyrenoidosa | 96 hours |
| -                       | Acute LC50 5600000 µg/l Fresh water  | Daphnia - Daphnia magna       | 48 hours |
| -                       | Acute LC50 13000000 µg/l Fresh water | Fish - Poecilia reticulata    | 96 hours |
| Isopropyl alcohol       | Acute EC50 >10000 mg/l               | Daphnia                       | 24 hours |
| -                       | Acute LC50 9640 mg/l                 | Fish                          | 96 hours |
| -                       | Acute LC50 4200 mg/l Fresh water     | Fish - Rasbora heteromorpha   | 96 hours |
| -                       | Chronic NOEC 30 mg/l                 | Daphnia                       | 21 days  |

### 12.2 Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Isopropyl alcohol       | -                 | -          | Readily          |

### 12.3 Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| Isopropyl alcohol       | 0,05               | 1   | low       |

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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## SECTION 12: Ecological information

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : Dispose of according to all federal, state and local applicable regulations.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

#### European waste catalogue (EWC)

| Waste code | Waste designation                                |
|------------|--|
| 08 03 13   | waste ink other than those mentioned in 08 03 12 |

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

| Type of packaging | European waste catalogue (EWC) |
|-------------------|--------------------------------|
| Ink tanks.        | 15 01 02 plastic packaging.    |

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

**14.1-14.5** : This product is not regulated for carriage according to ADR/RID, ADN, IMDG, ICAO/IATA.

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

#### Annex XIV - List of substances subject to authorisation

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

#### Other EU regulations



## SECTION 15: Regulatory information

**Europe inventory** : All components are listed or exempted.

**Regulation (EC) No. 648/2004, on Detergents , Annex VII** : Not applicable.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification                               |  | Justification  |
|--|--|--|
| Not classified.                              |  |  |
| <b>Full text of abbreviated H statements</b> | H225<br>H318<br>H319<br>H336 (Narcotic effects)  | Highly flammable liquid and vapour.<br>Causes serious eye damage.<br>Causes serious eye irritation.<br>May cause drowsiness or dizziness. (Narcotic effects)   |
|  | Eye Dam. 1, H318<br>Eye Irrit. 2, H319<br>Flam. Liq. 2, H225<br>STOT SE 3, H336 (Narcotic effects) | SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2<br>FLAMMABLE LIQUIDS - Category 2<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 |

**Date of printing** : 22-05-2015



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## SECTION 16: Other information

**Date of issue/ Date of revision** : 22-05-2015

**Date of previous issue** : No previous validation

**Version** : 1

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.