

| Product identifier | | | |
|---|--|--|---|
| PRODUCT NAME (ITEM CODE): | RISO INK CZ type BLACK | (S-4877) | |
| | RISO INK CZ type RED (S | | |
| | RISO INK CZ type BLUE (| | |
| | RISO INK CZ type GREEN | | |
| | RISO INK CZ type YELLO | . , | |
| | chemical and restrictions on us | e; | |
| RELEVANT IDENTIFIED USES: | INK for Digital Duplicator | | |
| Company identification MANUFACTURER: | RISO KAGAKU CORPORAT | | |
| MANUFACIURER. | | u, Tokyo, 108-8385, JAPA | N |
| | TEL: 81 (3) 5441-6611 | u, Tokyo, Too-0000, JAI P | M N |
| SUPPLIER: | RISO, INC. | | |
| | | 1, Woburn, MA 01801-210 | 05 USA |
| | TEL: (978) 777-7377 | ., | |
| Section 2 : Hazards ide | · · | | |
| | | 4040 4000/cl/s | |
| Jassification of the chemic | cal in accordance with 29 CFR | 1910.1200(d): | |
| Label elements | Not classified | | |
| | Not required | | |
| HAZARD PICTOGRAMS: | Not required Not required. | | |
| SIGNAL WORD: HAZARD STATEMENTS: | Not required | | |
| PRECAUTIONARY STATEMENTS: | | | |
| FRECAUTIONART STATEMENTS. | Not required | | |
| Hazards not otherwise class | sified (HNOC) | | |
| Hazards not otherwise clas | | | |
| Hazards not otherwise clas | Not classified | | |
| | | its | |
| Section 3 : Compositio Mixture: | Not classified | its | |
| Section 3 : Compositio | Not classified n/information on ingredier | | wr ⁶ /c |
| Section 3 : Compositio Mixture: | Not classified | CAS No. | wt% |
| Section 3 : Compositio Mixture: | Not classified n/information on ingredier Chemical name | CAS No. 64742-55-8 | |
| Section 3 : Compositio Mixture: | Not classified n/information on ingredier | CAS No. 64742-55-8 64742-53-6 | |
| Section 3 : Compositio Mixture: | Not classified n/information on ingredier Chemical name Petroleum solvent | CAS No. 64742-55-8 64742-53-6 64742-52-5 | < 15 |
| Section 3 : Compositio Mixture: | Not classified n/information on ingredier Chemical name Petroleum solvent Glycerol | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 | < 15 < 10 |
| Section 3 : Compositio | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 | < 15 < 10 < 10 |
| Section 3 : Compositio Mixture: | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret | < 15 < 10 < 10 Trade secret |
| Section 3 : Compositio | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 | < 15 < 10 < 10 |
| Section 3 : Compositio Mixture: | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret | < 15 < 10 < 10 Trade secret |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret | < 15 < 10 < 10 Trade secret |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5 | < 15 < 10 < 10 Trade secret Trade secret |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5 CAS No. | < 15 < 10 < 10 Trade secret Trade secret wt% |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5 CAS No. 8001-22-7 | < 15 < 10 < 10 Trade secret Trade secret wt% < 6 |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil Petroleum solvent | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5 CAS No. 8001-22-7 64742-46-7 64742-47-8 | < 15 < 10 < 10 Trade secret Trade secret wt% < 6 < 5 |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil Petroleum solvent Glycerol | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5 CAS No. 8001-22-7 64742-46-7 64742-47-8 56-81-5 | < 15 < 10 < 10 Trade secret Trade secret wt% < 6 < 5 Trade secret < 10 |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil Petroleum solvent Glycerol Organic pigment(s) | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5 CAS No. 8001-22-7 64742-46-7 64742-47-8 56-81-5 Trade secret | < 15 < 10 < 10 Trade secret Trade secret wt% < 6 < 5 Trade secret < 10 Trade secret |
| Section 3 : Compositio Mixture: BLACK | Not classified n/information on ingredien Chemical name Petroleum solvent Glycerol Carbon black (pigment) Alkyd resin Water LLOW Chemical name Soybean oil Petroleum solvent Glycerol | CAS No. 64742-55-8 64742-53-6 64742-52-5 56-81-5 1333-86-4 Trade secret 7732-18-5 CAS No. 8001-22-7 64742-46-7 64742-47-8 56-81-5 | < 15 < 10 < 10 Trade secret Trade secret wt% < 6 < 5 Trade secret < 10 |

Section 4 : First-aid measures



| D | | | | |
|---------------------------------|--|------------------------|------------------------|-----------------------|
| Description of first aid measu | | | | |
| INHALATION: | If you feel unwell, mov medical advice. | e from the contam | ination immediately | to fresh air and seel |
| | In case of contact w | ith over rince imp | nodiately with plants | , of water and cool |
| EYE CONTACT: | medical advice. | illi eyes, illise illi | neulately with plenty | o i water and see |
| SKIN CONTACT: | After contact with skin | wash immediately | with plenty of water | using a mild soap |
| INGESTION: | If swallowed, do not in | - | | using a mild soap. |
| Most important symptoms/effe | | - | | |
| | lo further relevant inform | | | |
| Indication of any immediate m | nedical attention and sp | pecial treatment ne | eeded: | |
| ١ | lo further relevant inform | ation available. | | |
| Section 5 : Fire-fighting n | neasures | | | |
| | Vater, CO ₂ , foam, dry cho | emical powder, dry | sand | |
| Special hazards arising from t | - | | | |
| • | Nay produce toxic fumes | | Ox | |
| Advice for fire-fighters: 7 | his ink does not act as a | source of ignition, b | out might burn if expo | osed to a fire. |
| Section 6 : Accidental rel | ease measures | | | |
| Personal precautions, protect | ve equipment and eme | ergency procedure | es: | |
| | /entilate the area until ma | • • • | | |
| Environmental precautions: [| o not empty into the drai | ns. | | |
| Methods and material for con- | tainment and cleaning | up: | | |
| S | Shovel up, then wipe up w | ith cloth or paper. | | |
| Section 7 : Handling and | l storage | | | |
| Precautions for safe handling | U U | | | |
| Ŭ | Ise only in the well-ventil | ated areas. | | |
| | void contact with skin. U | | je. | |
| Conditions for safe storage, ir | | | - | |
| S | Store at 5 - 35 °C and pro | tect from sunlight. | | |
| ŀ | keep the ink out of reach | of children. | | |
| (| Only original cartridge. | | | |
| Section 8 : Exposure con | trols/personal prote | ection | | |
| Control parameters: | | | | |
| OCCUPATIONAL EXPOSURE | GUIDELINES: | | | |
| | | CAS No. | OSHA PEL | ACGIH TLV |
| | | 64742-55-8 | | |
| | | 64742-53-6 | | |
| | Petroleum solvent | 64742-52-5 | 5 mg/m³ * | 5 mg/m ³ * |
| | | 64742-46-7 | | |
| | Glycerol | 56-81-5 | 15 mg/m ³ | 10 mg/m ³ |
| | Carbon black | 1333-86-4 | 3.5 mg/m ³ | 3.5 mg/m ³ |
| | | | * : as mineral o | |
| Appropriate engineering contr | ols: | | | |
| | | | | |
| | Good general ventilation | should be sufficien | t for most conditions | |



| Individual protection measures, such as protective equipment: | |
|---|---|
| RESPIRATORY PROTECTION: | Not normally required |
| HAND PROTECTION: | Recommend the use of gloves in case of contact with skin. |
| EYE PROTECTION: | Not normally required |
| SKIN AND BODY PROTECTION : | Not normally required |

Section 9 : Physical and chemical properties

| Physical state: | Paste |
|-------------------------------|------------------------------|
| Odor: | Slight petroleum odor |
| pH: | Not applicable |
| Melting point/freezing point: | < 0 °C |
| Boiling point: | > 100 °C |
| Flash point: | None (Closed cup) |
| Evaporation rate: | No data available |
| Flammability (solid, gas): | Not applicable |
| Upper/lower flammability: | No data available |
| Vapor pressure: | No data available |
| Vapor density: | No data available |
| Density: | 1.00 - 1.12 |
| Solubility: | WATER SOLUBILITY: Negligible |
| Partition coefficient: | No data available |
| Auto-ignition temperature: | > 400 °C |
| Decomposition temperature | : No data available |
| Viscosity: | No data available |

Section 10 : Stability and reactivity

| Reactivity: | No data available |
|-----------------------------|--|
| Chemical stability: | Stable under normal storage and handling conditions. |
| Possibility of hazardous re | actions: |
| | No data available |
| Conditions to avoid: | Avoid exposure to high temperatures. |
| Incompatible materials: | Strong oxidising agents |
| Hazardous decomposition | products: |
| | None |

Section 11 : Toxicological information

| Information on toxicologica | al effects |
|------------------------------|---|
| ACUTE ORAL TOXICITY: | LD50 >2000mg/kg (rat) |
| ACUTE EYE IRRITATION: | May cause slight irritation. |
| ACUTE SKIN IRRITATION: | May cause slight irritation. |
| MUTAGENICITY: | Negative in the Ames test |
| CARCINOGENICITY: | Carbon black is listed as Class 2B (Possible human carcinogen) by IARC. |
| | However, IARC Monograph 93 also indicates "exposure to carbon black does not |
| | occur during the use of products in which carbon black is bound to other materials, |
| | such as rubber, printing ink or paint." |
| | None of the other ingredients in this product are listed by IARC, NTP, MAK, OSHA |
| | or ACGIH as a carcinogen. None of the other ingredients have been classified as |
| | carcinogens according to EU, IARC, MAK, NTP or OSHA. |
| *These information are based | on toxicity data for similar materials and ingredients. |
| Section 12 : Ecologica | I information |



SAFETY DATA SHEET

| r | |
|-----------------------------|--|
| TOXICITY TO FISH: | Oryzias latipes LC ₅₀ -96h > 100mg/L |
| AQUATIC INVERTEBRATES: | Daphnia magna EC ₅₀ -48h > 100mg/L |
| AQUATIC PLANTS: | Algae ErC_{50} -72h > 100mg/L |
| Persistence and degradabili | - |
| | No information available. |
| Bioaccumulative potential: | No information available. |
| Mobility in soil: | No information available. |
| Other adverse effects: | No information available. |
| * This information is based | on toxicity data for similar materials and ingredients. |
| Section 13 : DISPOSAL | CONSIDERATIONS |
| Waste treatment methods: | Burn in an adequate incinerator or bury in landfill in accordance with all applicable |
| | regulations. Any disposal practice must be in compliance with local, state and federal |
| | laws and regulations. |
| | Ink Cartridge (bottle) material is plastic(polypropylene/polyethylene). |
| | Label material is plastic (metal included). |
| Section 14 : TRANSPO | RT INFORMATION |
| UN number: | Not regulated |
| UN proper shipping name: | Not regulated |
| Transport hazard class(es): | Not regulated (DOT, IMDG, IATA) |
| Packing group: | Not regulated |
| Environmental hazards: | Not regulated |
| Transport in bulk according | to Annex II of MARPOL73/78 and the IBC Code: |
| | Not regulated |
| Section 15 : REGULAT | ORY INFORMATION |
| US Federal regulation: | |
| TSCA (Toxic Substance Co | ontrol Act) : |
| | All chemical substances in these products are listed or exempted in TSCA chemical |
| | substance inventory. |
| Clean Air Act Section 112 | Hazardous Air Pollutants(HAPs): |
| | Not listed |
| SARA Section 313 (40 CFF | ₹ 372.65) : |
| | Not listed |
| CERCLA (40 CFR 302.4): | Not listed |
| Section 16 : OTHER IN | FORMATION |
| Issue date: | 01/09/2008 |
| Revision date: | 09/25/2020 |
| SDS No.(Version No): | CZI000U-05 |
| | |
| The information herein | is given in good faith, but no warranty, express or implies, is made. |
| | INC. for further information. |
| | |
| | |