

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

### 1.1. Product identifier

PRODUCT NAME : Perfect Binder Glue Sheet  
PRODUCT CODE : S-6768

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

RELEVANT IDENTIFIED USES: INK for InkJet Printer (ComColor Series)

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

MANUFACTURER NAME: RISO KAGAKU CORPORATION  
5-34-7 Shiba, Minato-ku, Tokyo, 108-8385, JAPAN  
TEL: 81 (3) 5441-6611

SUPPLIER: RISO KAGAKU CORPORATION LONDON OFFICE  
610 Centennial Park, Centennial Avenue, Elstree, Herts, WD6 3TJ U.K  
TEL: 44 (20) 8236-5800

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008:  
Not classified.

### 2.2. Label elements

LABELLING ACCORDING TO REGULATION (EC) NO 1272/2008:

HAZARD PICTOGRAMS: Not required  
SIGNAL WORD: Not required.  
HAZARD STATEMENTS: Not required  
PRECAUTIONARY STATEMENTS: Not required

### 2.3. Other hazards

RESULT OF PBT AND VPVB ASSESSMENT:  
Not applicable

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

CHEMICAL CHARACTERIZATION: Water-in-Oil-type emulsion

INGREDIENTS:

	CAS No.	Classification EC 1272/2008	wt%
Ethylene vinyl acetate copolymer	24937-78-8	Not classified.	>80
Paraffin Wax	-----	Not classified.	<20
Titanium Dioxide	13463-67-7	Not classified.	<10
Polyethylene Film	9002-88-4	Not classified.	(separate film)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- EYE:** If glue has contacted eye, wash it with enough water.  
If eye contacts with molten material, cool as quickly as possible with cold water and see a doctor for treatment.  
Do not rub eyes and not force them open.
- SKIN:** Wash away with soap and water a glue sticking skin.  
If burn involvement due to skin contact with molten material, cool as quickly as possible with water and contact a physician for treatment of burn.  
If your skin is irritated, consult a doctor.
- INHALATION:** In case of adverse exposure to vapors produced by excessive heating, immediately remove to fresh air. (Note : If inhales a mass of heated vapors at a time. )
- INGESTION:** Drink water or milk, induce vomiting and contact a doctor immediately.  
Rinse your mouth with water and seek proper 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: Fire-fighting measures

- 5.1. Extinguishing media:** Water mist (At the time of initial fire extinguishing), Foam, Dry powder, CO<sub>2</sub> gas, Dry sand and others.
- 5.2. Special hazards arising from the substance or mixture:**  
May produce toxic fumes of CO, CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub>
- 5.3. Advice for fire-fighters:** In case of unusual fire, do not use water to avoid hot water or molten material splattering and spreading. Foam extinguisher will help to shut off air.  
Fire fighters should wear proper protective goggles and clothing, and self-contained respiratory equipment.  
Extinguish from windward.  
After extinguishing, keep personnel out by roping round until inside of glue cools.

## SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures:**  
In case molten adhesive is released or spilled, allow to cool and remove. If adhesive remove in molten state is needed, wear proper protective goggles, gloves and long-sleeved clothing to avoid burns.
- 6.2. Environmental precautions:**  
No further relevant information available.
- 6.3. Methods and material for containment and cleaning up:**  
In case cold adhesive is released or spilled, clean and remove.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling:

Use proper melter and applicator. When handling melter and applicator, wear gloves, long-sleeved clothing and goggles to prevent burns.  
Use in range of suggested running temperature followed Product Technical Data.

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

Store in cool, dry and dark place an indoor. Keep away from dust or water when not in use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters:

	CAS No.	ACGIH TLV
Titanium dioxide	13463-67-7	10 mg/m <sup>3</sup>

\*1 : as mineral oil mists

### 8.2. Exposure controls:

#### APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation should be sufficient for most conditions.

#### PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION : Not necessary if used in normal handling conditions.  
HAND PROTECTION: None or heat-resistant gloves if necessary.(in case of handling molten glue)  
EYE PROTECTION: None or goggles if necessary.(in case of handling molten glue)  
SKIN AND BODY PROTECTION : Not normally required

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties:

APPEARANCE: Solid sheet roll  
COLOR: White  
PH: Not applicable  
BOILING POINT: No data available  
SOFTENING POINT: 89 - 99 °C  
FLASH POINT: Above 220 °C  
AUTOIGNITION TEMPERATURE: No data available  
EXPLOSION PROPERTIES: Not applicable  
OXIDISING PROPERTIES: Not applicable  
DENSITY: 0.9 - 1.2 g/cm<sup>3</sup>  
WATER SOLUBILITY: Negligible

## SECTION 10: Stability and reactivity

- 10.1. Reactivity: No data available  
10.2. Chemical stability: Stable under normal storage and handling conditions.  
10.3. Possibility of hazardous reactions:  
No data available  
10.4. Conditions to avoid: No data available  
10.5. Incompatible materials: No data available  
10.6. Hazardous decomposition products: No data available

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

ACUTE ORAL TOXICITY:	No data available
ACUTE EYE IRRITATION:	None (except hot vapor)
ACUTE SKIN IRRITATION:	None (except hot vapor)
CARCINOGENICITY:	Titanium dioxide is listed as Class 2B (Possible human carcinogen) by IARC. (However, IARC Monograph 93 also indicates “no significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints.”) 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.

**SECTION 12: Ecological information****12.1. Toxicity:**

FISH TOXICITY: No information available.

**12.2. Persistence and degradability:**

No information available.

**12.3. Bioaccumulative potential:**

No information available.

**12.4. Mobility in soil:**

No information available.

**12.5. Results of PBT and vPvB assessment:**

This product contains no substance considered to PBT and vPvB criteria.

**12.6. Other adverse effects:** No information available.**SECTION 13: Disposal considerations****13.1. Waste treatment methods:**

This product is classified as Plastic waste under the “Waste Disposal and Public Cleaning Law”.

Crush, cut, or melt-process material into 15cm pieces at maximum and bring to landfill, or burn up.

Used material should be disposed of in environmentally safe manner and in accordance with local and national regulations.

**SECTION 14: Transport information**

14.1. UN number: Not applicable

14.2. UN proper shipping name:

Not applicable

14.3. Transport hazard class(es):

Not applicable

14.4. Packing group: Not applicable

14.5. Environmental hazards:

Not applicable

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

**SECTION 15: Regulatory information**

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

The product and its ingredients are not regulated by specific provisions related to protection of human health or the environment at EU label, e.g. not considered as SVHCs or POPs.

15.2. Chemical Safety Assessment:

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

Full text of classifications: Not applicable

Full text of H-Statements: Not applicable

The information herein is given in good faith, but no warranty, express or imply, is made.  
Please consult RISO KAGAKU CORPORATION LONDON OFFICE for further information.