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

1.1. Product identifier
Resin thermal transfer ribbon, quality T 845 Sw

1.2. Relevant identified uses of the substance or mixture and uses advised against
Thermal transfer printing

1.3. Details of the supplier of the safety data sheet
Regma Transfert Thermique SAS
6 Rue Verdier Monetti
BP6
76880 Arques la Bataille
Telephone: +33235048667
Fax: +33235047537
Email: fds@regmatt.com

1.4. Emergency telephone number
- European emergency call: 112 (free number, can be dialled from anywhere in Europe, from any telephone (landline, pay phone or mobile cellular phone), reachable 24 hours a day, 7 days a week.)
- Supplier emergency call: +33235048667 (only available during office hours: 8h-12h / 13h-17h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
This product is not classified as hazardous according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] and the directives No 67/548/CEE and 99/45/CEE.

2.2. Label elements
This product is not labelled according to Regulation (EC) No 1272/2008 [CLP]

2.3. Other hazards
This product is not classified as PBT or vPvB.
Potential hazards: None currently known or expected hazard. The form and intended use of this product should prevent the release of the hazardous components into the air and creating hazard.
Inhalation: This material is not considered an inhalation hazard.
Skin contact: Skin irritation may occur from prolonged skin contact
Eye contact: May cause irritation and redness
Ingestion: Although ingestion is unlikely, this material would irritate the digestive tract.
Carbon black is the only constituent of the black ink product that is considered to be suspect or known carcinogen, as listed by the IARC (see section 11).
SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance identification</th>
<th>Concentration</th>
<th>Identification No</th>
<th>Classification</th>
<th>Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene Terephthalate</td>
<td>60% - 70%</td>
<td>CAS : 25038-59-9</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>(PET film)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modified Hydrocarbon</td>
<td>10% - 30%</td>
<td>various</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Synthetic waxes</td>
<td>10% - 30%</td>
<td>various</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>EVA copolymer</td>
<td>10% - 15%</td>
<td>CAS : 24937-78-8</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Acrylic resins</td>
<td>10-15%</td>
<td>various</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Carbon black</td>
<td>5% - 10%</td>
<td>CAS : 1333-86-4</td>
<td>--</td>
<td>Listed by the IARC (group 2B)</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye Contact: Flush with copious amounts of water for at least 15 minutes. Seek medical attention.
Skin Contact: Wash thoroughly with soap and water.
Inhalation: Remove to fresh air. Get medical attention.
Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
No specific symptoms or effects have been reported.

4.3. Indication of any immediate medical attention and special treatment needed
No special treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Water spray, foam, dry chemical, carbon dioxide

5.2. Special hazards arising from the substance or mixture
Burning may produce carbon dioxide, carbon monoxide, oxides of nitrogen, acetaldehyde, methane, ethane, ethylene, toxic gases and smoke.

5.3. Advice for fire-fighters
Wear normal fire fighting protective equipment in buildings or confined spaces.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
No special measure.

6.2. Environmental precautions
No special measure.

6.3. Methods and material for containment and cleaning up
Pick up and store as solid waste.

6.4. Reference to other sections
See section 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
There are no special handling procedures required.

7.2. Conditions for safe storage, including any incompatibilities
There are no special storage procedures required.

7.3. Specific end use(s)
No specific use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Limit value: not applicable

8.2. Exposure controls
Eye Protection: It is a good industrial hygiene practice to minimize eye contact.
Respiratory Protection: No special respiratory protection required.
Ventilation: Provide sufficient mechanical ventilation.
Protective Clothing: Wear chemical-resistant gloves and protective clothing appropriate for the risk of exposure.
Work and Hygienic Practices: Eye wash and shower facility should be available. Practice good hygiene and maintain a clean work environment.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

*Physical state*: solide (inks and resin coated on plastic film and wound onto a plastic or cardboard core)

*Solubility*: neither inks nor plastic film are soluble in water

9.2. Other information

None

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

None

10.5. Incompatible materials

No incompatible materials known.

10.6. Hazardous decomposition products

Will not occur
SECTION 11: Toxicological information

11.1. Information on toxicological effects
In its Monograph Volume 65, issued in April 1996, the International Agency for Research on Cancer (IARC) re-evaluated carbon black and concluded that, “there is inadequate evidence in humans for the carcinogenicity of carbon black”. The carbon black used contains less than 0.1% of adsorbed PAHs (polynuclear aromatic hydrocarbons). In non-adsorbed form, some PAHs have been found to be carcinogenic in animal studies. No correlating carcinogenic effect, however, has been observed in humans due to exposure to carbon black. There are still ongoing scientific discussions on the relevance of tumorigenic response in rats to inorganic insoluble particles like carbon black. Many inhalation toxicologists believe that the tumor response observed in the referenced rat studies is species specific and does not correlate to human exposure. However, the IARC evaluation in Monograph 65 concluded that there is “sufficient evidence in experimental animal for the carcinogenicity of carbon black”.

Other Information:
This product has been formulated to ensure that it complies with the RoHS Directive as per the European Union’s RoHS Legislation (Directive 2002/95/EC).

SECTION 12: Ecological information

12.1. Toxicity
No available data

12.2. Persistence and degradability
No available data

12.3. Bioaccumulative potential
No available data

12.4. Mobility in soil
No available data

12.5. Results of PBT and vPvB assessment
This product is not classified as PBT or vPvB.

12.6. Other adverse effects
No available data

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of product in accordance with local, state, and federal regulations.
SECTION 14: Transport information

14.1. Un number
Not restricted

14.2. UN proper shipping name
Not restricted

14.3. Transport hazard class(es)
Not restricted

14.4. Packing group
Not restricted

14.5. Environmental hazards
None

14.6. Special precautions for user
None

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not restricted

SECTION 15: Regulatory information

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

This product is not classified as hazardous according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] and the directives No 67/548/CEE and 99/45/CEE.

USEPA SARA 313: This product does not contain chemicals subject to the reporting requirements under SARA Title III, Section 313.

Toxic Substances Chemical Inventory (TSCA): This product (and/or all of its components) is in compliance with the U.S. EPA TSCA.

CEPA (Canadian DSL): This product (and/or all of its components) is listed or exempt from listing.

Restrictions: none
National regulations: National or regional regulations must be followed.

15.2. Chemical safety assessment

REACH: No chemical safety assessment has been made for this product.
This product has been made to be used in thermal transfer printers.

The information accumulated herein is believed to be accurate and represents the best data currently available. It is the user’s responsibility to determine suitability of use. No warranty, expressed or implied, is made and IIMAK assumes no legal responsibility or liability resulting from its use. Materials comprising <1% by weight, or <0.1% by weight if the chemical is a carcinogen, are not listed herein.