

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name

KURARISTER C

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

The film is suitable for use in food contact materials within the scope of Regulation (EC) No 1935/2004.

1.3 Details of the supplier of the safety data sheet

SUPPLIER or MANUFACTURER	Kuraray Co., Ltd. (Importer : EVAL Europe nv)
ADDRESS	Ote Center Building, 1-1-3, Otemachi, Chiyoda-ku, Tokyo 100-8115, Japan
Division	Speciality Resin and Film Company / EVAL Division / Film Sales Department
Phone (Emergency)	+81-3-6701-1491 (Only available during office hours.)
Fax	+81-3-6701-1476

2. HAZARD IDENTIFICATION**2.1 Classification of the substance or mixture**

GHS Classification according to Directive 67/548/EEC or 1999/45/EC	Not classified
UN Class and UN Number	Not applicable
Adverse Human Health Effects	None known
Physical and chemical hazards	None known
Environmental effects	None known

2.2 Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC	No labelling applicable
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Note: This product is also met the requirements of Classification and Labeling in accordance with REGULATION (EC) No 1272/2008/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Product	Coated Polyester Film
Chemical Name	Polyethylene Terephthalate Film (Main ingredient)
CAS REG. No.	25038-59-9 (Main ingredient)
Chemical Formula	-(OC-[C6H4]-COO-CH2CH2-O-)n-
REACH Reg.	Not applicable to Article
Other Ingredients	None of relevance for safety

4. FIRST-AID MEASURES**4.1 Description of first aid measures**

Eye Contact	An ophthalmologist's allowance is received immediately after pure water washes eyes for at least 15 minutes.
Skin Contact	It washes away with a lot of water and soap. When condition, such as bubble and an ache, comes out, diagnosis of a doctor is received if needed.
Inhalation	When you inhale the gas that occurs when a film is heated or it burns, you move to the place of fresh air, and receive diagnosis of a doctor if needed.
Ingestion	Wash the inside of mouth with water. If possible, it will be made to breathe out and a medical measure will be received immediately.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

5. FIRE-FIGHTING MEASURES**5.1 Extinguishing media**

Dry chemicals, water, carbon dioxide

- 5.2 *Special hazards arising from the substance or mixture* May produce harmful gasses
- 5.3 *Advice for fire fighters* Remove containers from fire or cool them with water spray. Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.
- 5.4 *Special protective device to protect the fire fighters* Self-contained breathing apparatus and fire fighter suit etc.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 *Personal precautions, protective equipment and emergency procedures* For the case of fire, proper fire extinguishing measures should be prepared. Since it is easy to slide on the place where the film fell, it is careful.
- 6.2 *Environmental precautions* Avoid release to the environment
- 6.3 *Methods and material for containment and cleaning up* When little, it sweeps and collects with a vacuum cleaner, a broom, etc. It classifies and discards if needed.

7. HANDLING AND STORAGE

- 7.1 *Precautions for safe handling* The same handling as a general plastic. Fire is avoided. It should not be excessively overheated and rubbed. Film may generate static electrical charges when conveyed or poured in an extremely dry environment. Keep working areas clean and free of film scrap to avoid a slipping hazard.
- 7.2 *Conditions for safe storage, including any incompatibilities* Direct rays are avoided and it is kept in a cool place. Prevention of moisture is cared about. Storage with the strong oxidizer is avoided. Fire cautions.
- 7.3 *Specific end use(s)* No additional information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 *Control parameters* No information available
- 8.2 *Exposure controls*
 - Respiratory Protection Specific risk management measures are not required beyond good industrial hygiene and safety procedures.
 - Eye Protection - Where exposure is likely to exceed acceptable criteria, wear suitable respiratory equipment.
 - Hand/Skin Protection - Wear eye protection if there is a possibility of eye contact with hot or small parts of film.
 - Wear heat protective gloves and clothing where contact with melted or heated materials can occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 *Information on basic physical and chemical properties*

Physical state	Solid
Colour	Transparent
Melting Point	255~265 °C
Density	1.3~1.4 g/cm ³
Flash Point	Above 346-399°C
Self ignition temperature	Above 483-488°C
Solubility in water	Insoluble in water
Octanol/water distribution coefficient	No data available
- 9.2 *Other information* No additional information available

10. STABILITY AND REACTIVITY

- 10.1 *Reactivity* No data available
- 10.2 *Stability* In general storage and handling, it is stable
- 10.3 *Possibility of hazardous reactions* No data available
- 10.4 *Conditions to avoid* Not applicable

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute Toxicity**

No data available

Irritation

No data available

Corrosivity

No data available

Sensitisation

No data available

Repeated dose toxicity

No data available

Carcinogenicity

No data available

Mutagenicity

No data available

Toxicity for reproduction

No data available

Others

No additional data available

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Not known to be eco-toxic

12.2 Bioaccumulative potential

No data available

12.3 Mobility in soil

No data available

12.4 Results of PBT and vPvB assessment

No data available

12.5 Others adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

It should be disposed by fire small quantity every with an incinerator according to the law for the air pollution. Or consignment processing is carried out at the special waste processing contractor who obtained a prefectural governor's permission.

14. TRANSPORT INFORMATION**14.1 UN number**

No dangerous good in sense of transport regulations

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 classified as environmental hazardous

14.6 Special precautions for user

No dangerous good in sense of transport regulations

14.7 Transport in bulk according to

Not applicable

*Annex II of MARPOL 73/78 and**The IBC code***15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU REACH regulation**

Article under Reach regulation

No REACH Annex XVII restrictions

Do not contain any Substance of Very High Concern (SVHC)

meeting the criteria established in Article 57 of 1907/2006

(EC) Regulation in concentrations of 0.1% or more

16. OTHER INFORMATION**Other Information**

Classification in accordance with calculation methods of regulation (EC) 1272/2008 CLP / (EC) 1999/45 DPD.

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The information presented herein is believed to be factual at the date this material safety data sheet was presented. This information is compiled from qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Kuraray Co., Ltd. bears a legal responsibility. The user should review any recommendation in the specific context of the intended use to determine whether they are appropriate.