

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

1.1. Product identifier

THERMOLAST® M

Product code: TM4MEP

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

**Use of the substance/mixture**

Manufacturing plastic articles via industrial processing methods, including compounding and conversion.  
For professional users only.

1.3. Details of the supplier of the safety data sheet

Company name:	KRAIBURG TPE GmbH & Co. KG
Street:	Friedrich-Schmidt-Str. 2
Place:	D-84478 Waldkraiburg
Telephone:	+49 (8638) 9810 0
E-Mail:	regulatory@kraiburg-tpe.com

1.4. Emergency telephone number

Telephone: +49 (8638) 9810 0 (only available at office times)

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

**Regulation (EC) No 1272/2008 (CLP)**

No need for classification according to CLP criteria for this product.

2.2. Label elements

**Regulation (EC) No 1272/2008 (CLP)**

**Additional advice on labelling**

The product does not require a hazard warning label in accordance with CLP criteria.

2.3. Other hazards

No specific dangers known, if the regulations/notes for storage and handling are considered.

**SECTION 3: Composition/information on ingredients**

3.2. Mixtures

**Chemical characterization**

Preparation/mixture without hazards for human health or environment.

**SECTION 4: First aid measures**

4.1. Description of first aid measures

**General information**

Move victim out of danger zone.

**After inhalation**

Provide fresh air. In case of irritation of the respiratory tract, seek medical advice.

**After contact with skin**

Following contact with the melted product, quickly cool affected skin area with plenty of cold water.

Change contaminated clothing.

**After contact with eyes**

Rinse eyes immediately with water or in the eye-bath carefully and thoroughly. In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

*The information given in the Safety Data Sheet only applies to the described product in connection with its appropriate use. All information is based on the latest state of our knowledge. In particular, it describes our product under the aspect of possible hazards and pertaining safety measures. The information does not constitute any guarantee of specific product and/or quality properties. The information given in this Safety Data Sheet is not required according to article 31 and Annex II of Regulation (EC) No. 1907/2006. It merely serves the purpose of providing sufficient information on a voluntary basis to ensure safe use of the compound/product. There is no obligation on the part of KRAIBURG TPE GmbH & Co. KG to revise this document.*

Rinse mouth thoroughly with water.

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

In case of skin irritation, seek medical treatment.

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

No special measures are necessary.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

**Suitable extinguishing media**

Extinguishing materials should be selected according to the surrounding area; alcohol resistant foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>) or water spray.

**Unsuitable extinguishing media**

High power water jet.

5.2. Special hazards arising from the substance or mixture

Toxic fumes may occur in case of fire.

Pyrolysis products, toxic.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear respiratory protection in the presence of vapour, dust, and aerosols.

6.2. Environmental precautions

No special environmental protection measures are necessary.

6.3. Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

**SECTION 7: Handling and storage**

7.1. Precautions for safe handling

**Advice on safe handling**

No special handling instructions are necessary.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

**Requirements for storage rooms and vessels**

Store in a cool and dry place.

**Advice on storage compatibility**

Storage class according to TRGS 510: 11

**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

**Additional advice on limit values**

not applicable

8.2. Exposure controls

**Protective and hygiene measures**

Wash hands before breaks and at the end of work. When using do not eat or drink.

**Eye/face protection**

Wear eye/face protection.

*The information given in the Safety Data Sheet only applies to the described product in connection with its appropriate use. All information is based on the latest state of our knowledge. In particular, it describes our product under the aspect of possible hazards and pertaining safety measures. The information does not constitute any guarantee of specific product and/or quality properties. The information given in this Safety Data Sheet is not required according to article 31 and Annex II of Regulation (EC) No. 1907/2006. It merely serves the purpose of providing sufficient information on a voluntary basis to ensure safe use of the compound/product. There is no obligation on the part of KRAIBURG TPE GmbH & Co. KG to revise this document.*

Suitable eye protection: Framed glasses.

### Hand protection

Wear suitable gloves.

Required properties: heat-resistant.

### Respiratory protection

Provide sufficient ventilation and punctiform suction at critical points.

## SECTION 9: Physical and chemical properties

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

Physical state:

solid

Odour:

characteristic

#### Test method

pH-Value:

not applicable

### Changes in the physical state

Melting point:

> 120 °C

Initial boiling point and boiling range:

not applicable

Flash point:

> 250 °C

### Flammability

Solid:

not determined

Gas:

not applicable

Lower explosion limits:

not applicable

Upper explosion limits:

not applicable

Ignition temperature:

not determined

### Auto-ignition temperature

Solid:

not determined

Gas:

not applicable

Decomposition temperature:

not determined

### Oxidizing properties

Vapour pressure:

not applicable

Density (at 20 °C):

0,9 – 1,5 g/cm<sup>3</sup>

Water solubility:

practically insoluble

### Solubility in other solvents

not determined

Partition coefficient:

not determined

Vapour density:

not determined

Evaporation rate:

not determined

### 9.2. Other information

Bulk density:

0,45 – 0,8 kg/dm<sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There are no data available on the preparation/mixture itself.

### 10.2. Chemical stability

There are no data available on the preparation/mixture itself.

### 10.3. Possibility of hazardous reactions

There are no data available on the preparation/mixture itself.

### 10.4. Conditions to avoid

Oxidizing agents. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### 10.5. Incompatible materials

There are no data available on the preparation/mixture itself.

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Pyrolysis products, toxic.

*The information given in the Safety Data Sheet only applies to the described product in connection with its appropriate use. All information is based on the latest state of our knowledge. In particular, it describes our product under the aspect of possible hazards and pertaining safety measures. The information does not constitute any guarantee of specific product and/or quality properties. The information given in this Safety Data Sheet is not required according to article 31 and Annex II of Regulation (EC) No. 1907/2006. It merely serves the purpose of providing sufficient information on a voluntary basis to ensure safe use of the compound/product. There is no obligation on the part of KRAIBURG TPE GmbH & Co. KG to revise this document.*

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### **Toxicocinetics, metabolism and distribution**

There are no data available on the preparation/mixture itself.

#### **Practical experience**

#### **Other observations**

There are no data available on the preparation/mixture itself.

## SECTION 12: Ecological information

### 12.1. Toxicity

There are no data available on the preparation/mixture itself.

### 12.2. Persistence and degradability

There are no data available on the preparation/mixture itself.

### 12.3. Bioaccumulative potential

There are no data available on the preparation/mixture itself.

### 12.4. Mobility in soil

There are no data available on the preparation/mixture itself.

### 12.5. Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

No symptoms known up to now.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Advice on disposal**

Waste disposal according to official state regulations.

#### **Waste disposal number of waste from residues/unused products**

070299 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes not otherwise specified

#### **Waste disposal number of used product**

070299 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; wastes not otherwise specified

#### **Waste disposal number of contaminated packaging**

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

#### **Contaminated packaging**

Completely emptied packings can be re-cycled.

## SECTION 14: Transport information

### **Land transport (ADR/RID)**

#### **Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

### **Inland waterways transport (ADN)**

#### **Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

### **Marine transport (IMDG)**

#### **Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

*The information given in the Safety Data Sheet only applies to the described product in connection with its appropriate use. All information is based on the latest state of our knowledge. In particular, it describes our product under the aspect of possible hazards and pertaining safety measures. The information does not constitute any guarantee of specific product and/or quality properties. The information given in this Safety Data Sheet is not required according to article 31 and Annex II of Regulation (EC) No. 1907/2006. It merely serves the purpose of providing sufficient information on a voluntary basis to ensure safe use of the compound/product. There is no obligation on the part of KRAIBURG TPE GmbH & Co. KG to revise this document.*

## Air transport (ICAO)

### Other applicable information (air transport)

No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

No special measures are necessary.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not a hazardous material with respect to these transportation regulations.

## SECTION 15: Regulatory information

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

#### EU regulatory information

##### Additional information

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

##### National regulatory information

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Data compared to the previous version altered.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)