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

### 1.1. Product identifier

Product Name Moreform Modelling Plastic

Pure substance/mixture Mixture

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

Application Footwear industry, Automotive industry, Pharmaceuticals Film, Construction.

Uses advised against Not identified.

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

#### Supplier

Major Brushes Ltd  
C2-C3 Capital Point  
Capital Business Park  
Parkway  
Cardiff  
CF3 2PY

E-mail address artproducts@majorbrushes.co.uk

### 1.4. Emergency telephone number

United Kingdom 029 2077 8450

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

### 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

#### Symbols/Pictograms

Not applicable

#### Signal word

None

#### Hazard statements

Not applicable

#### Precautionary Statements

Not applicable

### 2.3. Other hazards

Caution – main ingredient not yet fully tested.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical Name	EC No	CAS No	REACH registration number	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-oxepanone, homopolymer	Not available	24980-41-4	No data available	>=99	Not classified

Full text of H- and EUH-phrases: see section 16

#### Additional information

The product is exempt from REACH registration (polymer).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	First aid measures not required, but get fresh air for personal comfort.
<b>Skin contact</b>	First aid measures not required, but wash exposed skin with soap and water for hygienic reasons.
<b>Eye contact</b>	First aid measures not required, but rinse opened eye under running water for personal comfort to avoid mechanical irritation.
<b>Ingestion</b>	If a large quantity have been ingested or if you feel unwell, get medical advice/attention.

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

None known.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray (fog), Foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder.

#### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapours: Carbon monoxide (CO). Monomer (2-Oxeapanone, Hexan-6-Olide, CAS 502-44-3).

### 5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

### 6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

### 6.3. Methods and material for containment and cleaning up

#### Methods for containment

Take up mechanically, placing in appropriate containers for disposal.

#### Methods for cleaning up

Use approved industrial vacuum cleaner for removal.

#### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Protect from direct sunlight. Keep away from heat.

##### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

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

Keep container tightly closed in a dry and well-ventilated place.

#### 7.3. Specific end use(s)

This information is supplied in the present Safety Data Sheet.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure Limits

Keep personal exposure levels below Derived No Effect Level (DNEL) and national exposure limit values (if existing).

##### Derived No Effect Level (DNEL) - worker

Not Determined

##### Derived No Effect Level (DNEL) - Consumer

Not determined

##### Predicted No Effect Concentration (PNEC)

Not determined

#### 8.2. Exposure controls

##### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

##### Individual protection measures, such as personal protective equipment

Eye/face protection	No special technical protective measures are necessary.
Hand Protection	Protective gloves not really required. However, we recommend using protective gloves made of rubber. PVC gloves, Butyl rubber, Chloroprene rubber, CR.
Skin and body protection	Normal work clothes for the chemical industry (long legs and sleeves).
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.

##### Environmental exposure controls

No information available.

### SECTION 9: Physical and chemical properties

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

##### Appearance

Solid  
granules  
white

##### Odour

Odourless

##### Odour threshold

Not applicable

Property	Value	Remarks • Method
<b>pH</b>		No information available
<b>Melting point / freezing point</b>	58 - 60 °C / 136 - 140 °F	
<b>Boiling point / boiling range</b>		Not determined
<b>Flash point</b>	275 °C / 527 °F	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		Not determined
<b>Explosive limits</b>		
Upper explosive limits		Not applicable
Lower explosive limits		Not applicable
<b>Vapour pressure</b>		Not determined
<b>Vapour density</b>		Not applicable
<b>Relative density</b>		No information available
<b>Water solubility</b>		Insoluble in water
<b>Solubility(ies)</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>	200 °C	
<b>Kinematic viscosity</b>		No information available
<b>Dynamic viscosity</b>		Not applicable
<b>Explosive properties</b>	Not explosive.	
<b>Oxidising properties</b>	Not oxidising.	
<b>Density</b>	1.1 g/cm <sup>3</sup> (@60°C)	
<b>Bulk density</b>		No information available

## 9.2. Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There exists no specific test data for this product. For further information, see the subsequent subsections of this chapter.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Avoid contact with acids. Avoid contact with bases.

### 10.6. Hazardous decomposition products

Possible decomposition and release of monomer at temperatures above 200°C.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

Inhalation, Dermal.

#### Symptoms related to the physical, chemical and toxicological characteristics

None known.

#### Numerical measures of toxicity

##### Acute toxicity

Caution - substance not yet fully tested. Due to the structure of the substance and studies made on similar products we

assume that the product is unclassified. The polymer is not bioavailable because of its molecular size.

**The following values are calculated based on chapter 3.1 of the GHS document**

Acute oral toxicity	100 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
Acute dermal toxicity	100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
Acute inhalation toxicity - Vapour	100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)

**Skin corrosion/irritation**

No information available.

**Serious eye damage/eye irritation**

No information available.

**Respiratory or skin sensitisation**

No sensitising effects known.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

No information available.

**Reproductive toxicity**

No information available.

**Developmental Toxicity**

No information available.

**Teratogenicity**

No information available.

**STOT - single exposure**

No information available

**STOT - repeated exposure**

No information available

**Aspiration hazard**

No information available.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

The polymer is not bioavailable because of its molecular size.

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

### **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 substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

### **12.6. Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste from residues/unused products

The product is not classified as hazardous waste. Incinerate at a licensed installation.

#### Contaminated packaging

Thoroughly emptied and clean packaging may be recycled.

#### Waste codes / waste designations according to EWC / AVV

Waste from residues/unused products: 16 03 06.

#### Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

### ADR Road transport

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	None

### RID Rail transport

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	None

### IMDG Sea transport

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special precautions for user	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

### IATA Air transport

14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	None

## SECTION 15: Regulatory information

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

#### International Regulations

Not applicable.

#### European Union

Not applicable.

**France**

Occupational Illnesses (R-463-3, France)

Not applicable

**Germany**

Water hazard class (WGK)

Water endangering class = 1 (self classification)

**15.2. Chemical safety assessment**

Not applicable.

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Issue Date** 15-Jul-2016**Revision Date** 15-Jul-2016**Revision Note** SDS sections updated: 3, 8, 11, 12.**This safety data sheet complies with the requirements of:** Regulation (EC) No. 1907/2006, COMMISSION REGULATION (EU) No. 830/2015 of 20 May 2015.**Disclaimer**

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**End of Safety Data Sheet**