

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product Name ThermoDrop® Alkyd Thermoplastic Yellow

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

Identified use(s) Road safety markings

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

Company Identification Potters Industries LLC  
P. O. Box 841  
Valley Forge, PA 19482 USA  
Telephone +1 610-651-4700  
E-Mail (competent person) sds.uk@pqcorp.com

### 1.4 Emergency telephone number

Emergency Phone No. Potters Industries LLC +1 610-651-4200  
ChemTrec (800) 424-9300

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS Classification Skin Sens. 1B

### 2.2 Label elements

Hazard pictogram(s)



Signal word(s) Warning

Hazard statement(s) H317: May cause an allergic skin reaction.

Precautionary statement(s) P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash (hands and exposed skin) thoroughly after handling.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P363: Wash contaminated clothing before reuse.

2.3 Other hazards Molten material can cause severe burns.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS



Ingredient(s)	%W/W	CAS No.	EINECS No. / REACH Registration	Hazard symbol(s) and hazard statement(s)
Calcium carbonate	30-50	1317-65-3	2152796	
Titanium dioxide	<15	13463-67-7	2366755	
Glass oxide; Glass	30-50	65997-17-3		
Proprietary Resin	10-20			
Yellow Pigment	<1			

## **SECTION 4: FIRST AID MEASURES**

### **4.1 Description of first aid measures**

Eye Contact	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.
Skin Contact	Molten material can cause severe burns. Do NOT try to peel molten material from the skin. Cool rapidly with water. If symptoms occur obtain medical attention.
Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms develop, obtain medical attention.
Ingestion	Get immediate medical attention.

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

The molten form can cause thermal burns if in contact with skin or eyes.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

Suitable Extinguishing Media	Extinguish preferably with dry chemical, sand, foam or carbon dioxide.
Unsuitable extinguishing Media	None known.

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

Avoid direct contact with water to avoid splattering of molten plastic.

### **5.3 Advice for fire-fighters**

Use appropriate Personal Protective Equipment (PPE). See Section: 8

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear suitable protective clothing. Wear eye/face protection.

### **6.2 Environmental precautions**

Not applicable.

### **6.3 Methods and materials for containment and cleaning up**

Carefully shovel or sweep up spilled material and place in suitable container.

### **6.4 Reference to other sections**

Not applicable.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Avoid contact with heated or molten product. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place. Avoid generation of dust. Dust at sufficient concentrations can form explosive mixtures in air.

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

Keep container tightly closed and dry.

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

Minimize dust generation and accumulation.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

SUBSTANCE.	Occupational Exposure Limits
Calcium carbonate	OSHA PEL TWA (Respirable): 5 mg/m <sup>3</sup> OSHA PEL TWA (Total Dust): 15 mg/m <sup>3</sup> NIOSH TWA (Total Dust): 10 mg/m <sup>3</sup>
Titanium dioxide	OSHA PEL TWA (Total Dust): 15 mg/m <sup>3</sup> NIOSH TWA (Total Dust): 10 mg/m <sup>3</sup>

### **8.2 Exposure controls**

#### **8.2.1 Appropriate engineering controls**

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

#### **8.2.2 Personal Protection**

Respiratory protection

Wear suitable respiratory protective equipment if working in confined spaces with inadequate ventilation or where there is any risk of the exposure limits being exceeded.

Eye/face protection

Safety spectacles ; Eye goggles covered with a face shield when handling molten product.

Skin protection

Wear suitable protective clothing and gloves. When dealing with heated material: Wear insulating gloves EN407 (heat).

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance	Solid. Yellow.
Odour	alkyd oil
Odour Threshold (ppm)	Not applicable.
pH (Value)	Not applicable.
Freezing Point (°C)	Not applicable.
Melting Point (°C)	93
Boiling Point (°C)	Not applicable.
Flash Point (°C) [Closed cup]	>246
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-combustible.
Vapour pressure (Pascal)	
Vapour Density (Air=1)	Not applicable.
Solubility (Water)	Insoluble.
Partition Coefficient	Not applicable.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not applicable.
Viscosity (mPa. s)	Not applicable.
Explosive properties	Not applicable.
Oxidising Properties	Not applicable.
<b>9.2 Other information</b>	Not available.

## **SECTION 10: STABILITY AND REACTIVITY**



<b>10.1 Reactivity</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical stability</b>	Stable.
<b>10.3 Possibility of hazardous reactions</b>	Not applicable.
<b>10.4 Conditions to avoid</b>	Avoid temperatures above 500°F
<b>10.5 Incompatible materials</b>	Acids, alum, ammonium salts, mercury, hydrogen, fluorine, magnesium
<b>10.6 Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

Ingestion	Harmful by ingestion.
Inhalation	Dusts and vapours or fumes evolved during thermal processing may cause irritation to the respiratory system. May cause irritation to the respiratory system.
Skin Contact	Molten material will adhere to the skin causing deep thermal burns.
Eye Contact	The molten form can cause thermal burns if in contact with eyes.

#### **Sensitisation**

Resin compound may cause sensitization by skin contact. Yellow pigment may cause sensitization.

No data available on mixture.

**Mutagenicity** No data.

**Carcinogenicity** No data.

**Reproductive toxicity** No data.

**STOT - single exposure** No data available on mixture.

**STOT - repeated exposure** No data available on mixture.

**Aspiration hazard** No data available on mixture.

**Other information** No data available on mixture.

## **SECTION 12: ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	No data.
<b>12.2 Persistence and degradability</b>	No data.
<b>12.3 Bioaccumulative potential</b>	No data available on mixture.
<b>12.4 Mobility in soil</b>	No data available on mixture.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	Not applicable

## **SECTION 13: DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation.
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## **SECTION 14: TRANSPORT INFORMATION**

<b>14.2 Proper Shipping Name</b>	NOT CLASSIFIED AS DANGEROUS FOR TRANSPORT.
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not applicable
<b>14.6 Special precautions for user</b>	Not applicable Unsuitable containers: Aluminium



ThermoDrop® Alkyd Thermoplastic Yellow

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

TSCA Inventory Status: Reported/Included.

## **SECTION 16: OTHER INFORMATION**

This SDS was last reviewed: 08/2016

The following sections contain revisions or new statements: All sections.

GHS Classification

Skin Sens. 1B

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