

<b>Trade Name:</b>	<b>RAWL R-KSF Polyester styrene free</b>
<b>Producer: Supplier:</b>	<b>Rawlplug Limited</b>
	<b>Skibo Drive</b>
	<b>Thornliebank Industrial Estate</b>
	<b>Glasgow G46 8JR. GB</b>
	<b>Telephone: 0141 638 7961</b>
	<b>Fax: 0141 638 7397</b>
<b>Printing Date</b>	<b>04.02.2004</b>

**1. Composition/information on ingredients**

Chemical characteristics

Component A: Polyester resin in Dipropyleneglycolediacylate; 1,2 Ethandiole, filled

Component B: Dibenzoylperoxide, phlegmatisized, filled

Hazardous ingredients

CAS-Nr.	Hazardous ingredient	Conc.(weight.-%)	Symbol	R-phases
Component A: 100-42-5	Dipropyleneglycolediacylate	12,5-30%	Xi	36/38-43
Component B: 94-36-0	Dibenzoylperoxide	10-40%	O, Xi	7-36-43
107-21-1	1,2 Ethandiole	3-10%	Xn	22

**2. Hazards identification**

Hazards and symptoms:

Component A: R 36/38 – Irritating to eyes and skin  
R 43 – Sensitivity by skin contact is possible

Component B: R 7 - May cause fire  
R 22 - Harmful by ingestion  
R 36 - Irritating to eyes  
R 43 - Sensitivity by skin contact is possible

**3. First aid measures**

General instructions: Take off and remove contaminated clothing immediately.  
If inhaled: Bring person concerned to fresh air and keep him calm.  
Refer for medical treatment.  
On skin contact: Wash thoroughly with soap and water.  
On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.  
On ingestion: Immediately rinse mouth and then drink plenty of water, Seek medical attention.  
Instructions for the doctor: No data available.

<b>Trade Name:</b>	<b>RAWL R-KSF Polyester styrene free</b>
<b>Producer: Supplier:</b>	<b>Rawlplug Limited</b>
	<b>Skibo Drive</b>
	<b>Thornliebank Industrial Estate</b>
	<b>Glasgow G46 8JR. GB</b>
	<b>Telephone: 0141 638 7961</b>
	<b>Fax: 0141 638 7397</b>
<b>Printing Date</b>	<b>04.02.2004</b>

#### 4. Fire-fighting measures

Suitable extinguishing media: Foam, water, dry extinguishing media, CO<sub>2</sub>

Extinguishing media that must not be used for safety reasons: No data available.

Special hazards from the substance itself, its combustion products or

resulting gases: In case of fire can be released:

Carbon monoxide, carbon dioxide, water and cracked hydrocarbons.

Special protective equipment: Breathing apparatus.

Further information: No data available.

#### 5. Accidental release measures

Personal precautions: Use personal protective clothing. Ensure adequate ventilation.

Environmental precautions: Do not discharge into the drains, surface water, ground water.

Methods for cleaning up: Take up mechanically. Contain with absorbent material (e.g. sand, silica gel, acid binder, general purpose binder, sawdust).

Further information: No data available.

#### 6. Handling and storage

##### Handling:

Instructions for safety handling: Consider manufacturing date on cartridge.

Instructions for fire and explosion protection: Keep away from sources of ignition. Do not smoke.

##### Storage:

Requirements for storage

Rooms and vessels: Product in original packing in a cool, dry and dark place with ventilation. Protect against sun and heat.

Vessel content: 150 ml

Vessel material: Plastic cartridge

Storing temperature: 5°C < T < 25°C.

Storage class: No data available.

Further instructions: Keep out of the reach of children.

<b>Trade Name:</b>	<b>RAWL R-KSF Polyester styrene free</b>
<b>Producer: Supplier:</b>	<b>Rawlplug Limited</b>
	<b>Skibo Drive</b>
	<b>Thornliebank Industrial Estate</b>
	<b>Glasgow G46 8JR. GB</b>
	<b>Telephone: 0141 638 7961</b>
	<b>Fax: 0141 638 7397</b>
<b>Printing Date</b>	<b>04.02.2004</b>

## 7. Exposure controls/personal protection

### Personal protective equipment:

General protection and hygienic measures: Closed working clothes, preventive skin protection with skin protection cream. Avoid contact with skin, eyes and clothes.

Hand protection: Protective gloves.

Body protection: Closed working clothes.

## 8. Physical and chemical properties

Form: Paste  
 Colour: A-Component: white – B-Component: black  
 Odour: characteristic  
 Boiling point: > 200°C (Comp. A)  
 Flash: > 100°C (Comp. A)  
 Decomposition temperature: > 60°C (Comp. B)  
 Solubility: not soluble (Comp. A)  
 minimal soluble (Comp. B)  
 Content of solvent: < 30 Gew. %

## 9. Stability and reactivity

Hazardous reactions: Heat develops during polymerisation.  
 Hazardous decomposition products: Carbon monoxide, carbon dioxide, water and cracked hydrocarbons.  
 Thermal decomposition: Component B: above 60 °C

## 10. Toxicological information

### Acute toxicity:

Acute oral toxicity: LD50/rat: 4000 mg/kg (1,2 Ethandiole)  
 LD50 Dibenzoylperoxide/rat > 5000 mg/kg  
 Acute inhal. toxicity: LC50/4h Dibenzoylperoxide/rat > 2000 mg/kg  
 Dermal toxicity: LD50/hare: 2000 mg/kg (1,2 Ethandiole)  
 Irritant effect on skin: Irritant  
 Irritant effect on eye : Irritant  
 Sensitivity: Possible by skin contact (Dibenzoylperoxide)  
 Sub-acute to chronic toxicity: No data available  
 Further remarks on toxicological examination: No data available  
 Experience made in practice: unknown

<b>Trade Name:</b>	<b>RAWL R-KSF Polyester styrene free</b>
<b>Producer: Supplier:</b>	<b>Rawlplug Limited</b>
	<b>Skibo Drive</b>
	<b>Thornliebank Industrial Estate</b>
	<b>Glasgow G46 8JR. GB</b>
	<b>Telephone: 0141 638 7961</b>
	<b>Fax: 0141 638 7397</b>
<b>Printing Date</b>	<b>04.02.2004</b>

## 11. Ecological information

### Further ecological information:

Insoluble. Do not discharge product into water courses without pre-treatment (biological purification plant).

## 12. Disposal considerations

### Disposal of product:

Advice: Non cured: must be disposed of by special means, e.g. suitable incineration, in accordance with local regulations.

Cured: can be dumped with domestic refuse or incinerated in suitable plant in accordance with local regulations

Waste code: Component A: 080102  
Component B: 07 02 99  
08 04 04 (cured)

### Disposal of contaminated packaging:

Advice: Contaminated packaging should be emptied as far as possible  
Packaging that cannot be emptied should be disposed of in the same manner as the contents.

## 13. Transport information

### Land transport ADR/RID and GGVS/GGVE:

Regulations do not apply to this product (small amount).  
UN-No. 3269 Polyester resin kit, small amount.

### Inland waterway transport ADN/ADNR:

Regulations do not apply to this product (small amount).  
UN-No. 3269 Polyester resin kit (small amount).

### Sea transport IMDG/GGVSee:

Class: 3.3  
Code: 3377-1  
PG: III  
EMS: 3-07  
MFAG: 310  
Marine pollutant: yes  
Proper technical name: Polyester resin kit

### Air transport ICAO/IATA:

Class: 3  
PG: III  
Proper technical name: Polyester resin kit

<b>Trade Name:</b>	<b>RAWL R-KSF Polyester styrene free</b>
<b>Producer: Supplier:</b>	<b>Rawlplug Limited</b>
	<b>Skibo Drive</b>
	<b>Thornliebank Industrial Estate</b>
	<b>Glasgow G46 8JR. GB</b>
	<b>Telephone: 0141 638 7961</b>
	<b>Fax: 0141 638 7397</b>
<b>Printing Date</b>	<b>04.02.2004</b>

#### 14. Prescriptions

##### Labelling according to EEC directives:

Labelling: The product is classified and labelled in accordance to EEC-regulations  
Hazards: Component A: Xi – irritating  
Component B: Xi – irritating, O – oxidizing

##### R-Phrases:

Component A: R 36/38 – Irritating to eyes and skin.  
R 43 – Sensitivity by skin contact is possible

Component B: R 7 – May cause fire  
R 36 – Irritating to eyes  
R 43 – Sensitivity by skin contact is possible

##### S-Phrases:

Component A: S 24 – Avoid skin contact  
S 26 – On eye contact wash immediately and thoroughly with  
water, consult an eye specialist  
S 37 - Wear suitable safety gloves

Component B: S 2 - Keep out of the reach of children.  
S 3/7 - Keep container tightly closed in a cool place.  
S 14 - Keep away from dirt, rust, chemicals in particular  
concentrated acids, alkalis and accelerators.  
S 15 - Keep away from heat.  
S 24/25 - Avoid contact with skin and eyes.  
S 36/37/39 - Wear suitable protective clothing and safety gloves  
and eye/face protection.  
S 50 – Do not mix with peroxide accelerators and reducing agents.

#### 15. Further information

The above information is furnished without warranty of any kind. Users should consider this data only as a supplement of other information gathered by them and make independent determinations of suitability and completeness of information from all sources to ensure proper use and disposal of these materials and the safety of employees and customers.