

**Safety Data Sheet Number:** 257200  
**Corresponding:** 91/155/EWG  
**Edition:** 15/08/00



### 1. Substance Identification

Product Name:	AVKOTE Flowseal 2K
Article Number:	523400
Supplier:	AVKO Limited, Hamble Court Business Park, Hamble Lane, Hamble, SO31 4QJ, Tel: 023 80455855, Fax: 023 80456785
Emergency Telephone:	Normal Opening Hours : Environmental Protection Department All Other Times : Fire Brigade

### 2. Composition & Data On Components

Description:	Mixture of substances listed below with non-hazardous additions.				
Dangerous Components:					
CAS No	Identification (EC)	Concentrate Range %	Symbol / Letter	R-phrase (*)	Swiss Poison Class
111-76-2	2-Butoxyethanol m	0,00 - 1,25	Xn	20/21/22-37	4
126-86-3	2,4,7,9-Tetramethyldec-5-Yne-4,7-diol	1,26 - 2,50	Xi	36	4
107-21-1	Ethanediol-1,2-diol	1,25 -2,50	Xn	22	4
(*) for full text see section 15					

### 3. Hazards Identification

Hazard Description:	Not Applicable
Special Environment / Human Risks:	Not Applicable
Classification System:	The classification is according to the latest editions of the EU lists and extended by company and literature data

### 4. First Aid Measures

General:	No special measures required
After Inhalation:	Supply fresh air or oxygen; call from doctor
After Skin Contact;	Generally the product does not irritate the skin
After Eye Contact:	Rinse opened eye for several minutes under running water.
After Ingestion:	If symptoms persist consult doctor

### 5. Fire Fighting Measures

Suitable Extinguishing agents:	CO <sup>2</sup> , powder or water spray. Fight larger fires with water spray or alcohol resistant foam
Protective Equipment:	No special measures required

### 6. Accidental Release Measures

Personal Protection:	Not required
Environmental Protection:	Dilute with plenty of water. Do not allow to enter sewers, surface or ground water
Cleaning / Collecting:	Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust)

### 7. Handling & Storage

<b>Handling</b>	
Safe Handling:	No Special precautions are necessary if used correctly
Fire & Explosion:	No special measures required
<b>Storage</b>	
Storerooms & Containers:	Suitable material for receptacles and pipes: copper
With Other Materials:	Not required
Further Storage Information:	Protect from frost

This information is a standard recommendation. The application should be adapted to local standards. No liability or claim can be made from this sheet.

Safety Data Sheet Number: 257200

Corresponding: 91/155/EWG

Edition: 15/08/00



**A V K O**

UK'S NO. 1 SPECIALIST PAINT SUPPLIERS

### 8. Exposure Controls & Personal Protection

Design & Technical Systems:	No further data; see item 7				
<b>Monitored Components</b>					
CAS Number	Designation	%	Value	mg/m <sup>3</sup>	ppm
111-76-2	2-Butoxyethanol m	MAK	Short Term Value	200,0000	40,0000
		MAK	Long Term Value	100,0000	20,0000
126-86-3	2,4,7,9-Tetramethyldec-5-Yne-4,7-diol	MAK	Long Term Value	125,0000	50,0000
107-21-1	Ethenediol-1,2-diol	MAK	Long Term Value	125,0000	50,0000
The product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace					
Additional Information:	The usual precautionary measures were used as basis				
<b>Personal Protection</b>					
General:	The usual precautionary measures are to be adhered to when handling chemicals				
Respiratory:	Not required				
Hands:	Not required				
Eyes:	Not required				

### 9. Physical & Chemical Properties

<b>Appearance</b>			
Form:	Liquid		
Colour:	Different according to colouring		
Odour:	Characteristic		
<b>Change In Condition</b>	<b>Value</b>	<b>Unit</b>	<b>Method</b>
Melting Point:	0,0°C	°C	-
Boiling Point:	100,0°C	°C	-
Flash Point:	107,2	°C	-
Ignition Temperature:	371,00	°C	-
Self Igniting:	Product is not self-igniting		
Danger Of Explosion:	Product does not present an explosion hazard		
Vapour Pressure @ 20°C	23,00 mbar		
<b>Densities</b>			
Density:	1,0300 g/cm <sup>3</sup>		
Solubility In Water:	Fully miscible		
<b>Viscosity</b>			
Kinematic @ 20°C:	75,00 s DIN 4mm		
Solvent Content:	-		
Organic Content:	Approx 3%		
Solids Content:	Approx 12%		

### 10. Stability & Reactivity

Thermal Decomposition:	Not decomposition if used according to specifications
Dangerous Decomposition:	No dangerous decomposition products known

### 11. Toxicological Information

Acute Toxicity	LD / Lc50 values that are relevant for classification:		
Component	Type	Value	Species
2-Butoxyethanol m	Oral	1480 mg/kg	Rat
	Dermal	400 mg/kg	Rabbit
2,4,7,9-Tetramethyldec-5-Yne-4,7-diol	Oral	4600 mg/kg	Rat
	Oral	5840 mg/kg	Rat
Ethenediol-1,2-diol	Dermal	9530 mg/kg	Rabbit
	Oral	5135 mg/kg	Rat
(2-Methoxymethylethoxy) Propanol	Dermal	9500 mg/kg	Rabbit
	Oral	10000 mg/kg	Rat
Silicon Dioxide, chemically prepared	Oral	10000 mg/kg	Rat
	Oral	8700 mg/kg	Rat
	Dermal	2000 mg/kg	Rabbit
Xylene, mixed isomers, pure	Inhalative	6350 mg/l	Rat

This information is a standard recommendation. The application should be adapted to local standards. No liability or claim can be made from this sheet.

**Safety Data Sheet Number:** 257200  
**Corresponding:** 91/155/EWG  
**Edition:** 15/08/00



<b>Primary Irritant Effect</b>	
On Skin:	Not irritant effect
One Eyes:	No irritating effect
Sensitisation:	No sensitising effects known
Additional Information:	The product is not subject to classification according to the calculation method of the General EU Classification Guidelines For Preparations as issued in the latest version

## 12. Ecological Information

Ecological Information:	
General Notes:	Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Water hazard class 2 (German Regulation) (#): hazardous for water. Self assessment

## 13. Disposal Considerations

<b>Product</b>	
Waste Disposal Key:	55508
European Waste Catalogue:	08 - Wastes from the manufacture, formulation ,supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesive, sealants and printing inks 08 01 - Wastes from MFSU of paint and varnish 08 01 03 - Waste from water-based paints and varnishes
Waste Disposal Key (CH):	1610 - Painting, lacquer and adhesive wastes with aqueous phase (emulsions) 70 - Printing inks, Varnish, Sealants, Adhesive
<b>Uncleaned Packaging</b>	
Recommendation:	Disposal must be made according to official regulations
Cleaning Agent:	Water, if necessary together with cleansing agents

## 14. Transport Information

<b>Land Transport ADR/RID (cross border)</b>	
ADR/RID Class:	-
<b>Maritime Transport IMDG</b>	
IMDG Class	-
<b>Air Transport ICAO-TI &amp; IATA-DGR</b>	
ICAO/IATA Class	-

## 15. Regulations

EU Guidelines:	The product is not subject to identification regulations under EU Directives and the Ordinance On Hazardous Material (German GefStoffV)
<b>National Guidelines</b>	
Classification VbF:	-
Technical Instruction Air:	-
Class Share In %:	III 9,8 II 1,6
Water Hazard:	Water hazard class 2 (German Regulation) (#):hazardous for water.
<b>Further Information</b>	
BAGT Number:	619000
Swiss Class Of Toxicity:	F

## 16. Other Information

This information is based on or present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.	
Department Issuing MSDS:	Environment protection department

This information is a standard recommendation. The application should be adapted to local standards. No liability or claim can be made from this sheet.