

**Safety Data Sheet Number:** 1100/RLE  
**Corresponding:** 91/155/EWG  
**Edition:** 01.09.01



### 1. Identification of the Preparation and Company

Product Name:	AVKOTE RLE (lead-free paint)
Intended Use:	Roller Coating Material
Supplier:	AVKO Ltd, 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 & Information of Ingredients

Substances presenting a health hazard within the meaning of the Chemicals (Hazard information and Packing 67/548/EWG)				
CAS Number	Identification (EC)	Concentrate Range %	Symbol / Letter	R-phrases (*)
112-07-02	2-Butoxyethyl Acetate	112-07-2 1.25- 2.50	Xn	20/21
100-41-4	Ethyl Benzene	6.2	F Xn	11-20
1330-20-7	Xylene mixed isomers pure	12.50-25.00	Xn	10-20/21-38
123-86-4	n-Butyl Acetate	12.50-25.00		10
141-78-6	Ethyl Acetate	5.00-12.50	F	11

(\*) for full text see section 15

### 3. Hazards Identification

Designation Risks:	Highly flammable / insalubrious
Designation Special Risks Human/ Environment:	Highly flammable, Harmful by inhalation, in contact with skin and if swallowed.

### 4. First Aid Measures

General:	In all case of doubt, or when symptoms persist, seek medical attention: Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medial advice.
Skin Contact;	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner – Do not use solvents or thinners.
Eye Contact:	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
Ingestion:	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting.

### 5. Fire Fighting Measures

Extinguishing Media	
Recommended:	Alcohol resistant foam, CO <sub>2</sub> , powder, water spray/mist
Not To Be Used:	Water Jet
Special Risks:	Avoid inhalation of vapour and spray mist. The inhalation of hazardous products of decomposition may be a hazard to health. Cool closed containers exposed to fire with water spray
Protective Equipment:	Appropriate self-contained breathing apparatus may be required.

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## 6. Accidental Release Measures

Personal Protection:	Because the volatile matter of organic solvents exclude sources of ignition and ventilate the area. Avoid inhalation of vapour. Refer to protective measures listed in Sections 7 and 8.
Environmental Protection:	Do not allow to enter drains or water courses. If the product does enter drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
Purification (pick up) Process:	Contain and collect spillage with non-combustible absorbent materials (e.g. sand, earth, vermiculite, diatomaceous earth) and place in a suitable container for disposal in accordance with the waster regulations (see Section 13). Clean preferably with a detergent; avoid the use of solvents.

## 7. Handling and Storage

<b>Handling</b>	
Safety Handling:	Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Additionally, the products should only be used in areas from which all naked lights and other sources of ignition have been excluded. The product may charge electrostatically. Use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be electrically conductive. Electrical equipment should be protected to the appropriate standard. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection, see Section 8. Observe the legal safety requirements.
Fire & Explosion:	Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air
<b>Storage</b>	
Storerooms/Containers:	Storerooms have to be explosion-proofed according to the rule status. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Never use pressure to empty; the container is not a pressure vessel.
With Other Materials:	Store separately from oxidising agents and strongly alkaline and strongly acidic materials.
Other Storage:	Store in a cool, dry and well ventilate place, away from sources of heat, ignition and direct sunlight. Observe the label precautions. Observe the legal and rule storage precautions. See Section 15.

## 8. Exposure Controls & Personal Protection

<b>Engineering Measures</b>	
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulate and/or solvent vapours below the relevant occupational exposure limited, suitable respiratory protective equipment should be worn. (see "Personal protection" below).	
Exposure Limit - The mentioned values refer to the effective MWC-list of the accident insurance of Switzerland	

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CAS Number	Designation	MWC value	Unit
1330-20-7	Xylene	100	ppm
100-41-4	Ethyl Benzene	100	ppm
112-07-2	Butyl Glycol Acetate	20	ppm
123-86-4	Butyl Acetate	200	ppm
141-78-6	Ethyl Acetate	400	ppm
<b>Personal Protection</b>			
Respiratory:	Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and methods cannot reasonably be improved.		
Hands:	When skin exposure may occur, advice should be sought from glove suppliers an appropriate types (f.e. Neoprene) Repeated or prolonged contact with the product: Use barrier creams to protect exposed areas of the skin, Attention to the supplier recommendations.		
Eyes:	Eye protection designed to protect against liquid splashes should be worn.		
Skin:	Wear anti-static footwear and natural (cotton) or heat resistant synthetic fibre overalls. Contaminated skin should be washed with soap and water or a proprietary skin cleaner.		

### 9. Physical & Chemical Properties

Physical State:	Viscous		
Colour:	Diverse		
Odour:	Of Organic Solvents		
	Value	Unit	Method
Boiling Point:	approx. 75	°C	-
Flash Point:	approx. 5	°C	-
Viscosity(23°C):	Thixotropic	-	-
Density(20°C):	1.15	g/cm <sup>3</sup>	(according to colour)
Solvent Content:	approx 51	% by weight	
Explosion Limit:	Lower - 1.1	Upper - 11.5	% by volume (solvent)
Solubility In Water:	not miscible at 23°C		

### 10. Stability & Reactivity

Stability:	Stable under the recommended storage and handling conditions. (see Section 7)
Dangerous Materials	Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
Dangerous Decomposition:	In a fire, hazardous decomposition products such as smoke, carbon monoxide, and oxides of nitrogen may be produced.

### 11. Toxicological Information

There is no data available on the product itself. Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects in the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage. See also Section 15.

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## 12. Ecological Information

There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

## 13. Disposal Considerations

Product:	waste code number	1620	country	CH
	waste code number	55508	country	D
Package:	Emptied containers are controlled wastes and should be disposed of in Accordance with regulations made under Control of Pollution Act and the Environmental Protection Act			

## 14. Transport Information

Only in accordance with the transport-prescriptions for road (ADR), rail (RID), sea (IMDG) and air (ICAO/IATA).

Domestic Road:	ADR/RID Class	3	ADR/RID Number	5c
	Packing Group	Paint		
Sea:	IMDG Class	3.2	UN Number	1263
	Danger Notice	3	EmS Number	3-05
	MFAG	310	Marine Pollutant	no
	Proper Shipping Name	Paint		
Air:	IATA/ICAO Class	3.2	UN Number	1263
	Packing Group	III	Proper Shipping Name	Paint

## 15. Prescriptions

Classification according to EC-principles				
Symbol Of Risk:	F/Xn			
Dangerous Material	Highly Flammable / Insalubrious			
Dangerous Component:	Contains Xylene			
Phrases R:	R11 - Highly flammable R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed			
Phrases S:	S16 - Keep away from sources of ignition – No Smoking S23 - Do not breathe vapour S38 - In case of insufficient ventilation, wear suitable respiratory equipment S51 - Use only in well ventilated areas			
National Prescriptions				
Ch-Toxic Class	4	BAG T No	619004	see label
Air Pollution Decree:	LRV-Class	I:0%	II:31%	III:44%
Emission Protection:	TA-Air	I:0%	II:31%	III:44%
Fire Protection:	VbF-Class	Al	BVD Class	F1.I, FU
Water:	Water Endangering Class		CH	BRD

## 16. Other Information

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

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