

Safety Data Sheet in accordance with 93/112/EEC

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Product: airo ACRYL-KLARLACK HIGH SOLID

Date of issue: 19.01.1996 Replaces data sheet of: 08.11.1995

01. Identification of the substance/ preparation and of the company

Trade name: airo ACRYL-KLARLACK HIGH SOLID

Company: AIRO CHEMIE A. SCHMIEMANN GmbH & CO. KG
Carl-Leverkus-Strasse 27
D-40764 Langenfeld

Phone: 0 21 73-85 38-0

Telefax: 0 21 73- 85 38-60/70

Emergency phone: 0 21 73-85 38-0

02. Composition / Information on ingredients

Dangerous substance	CAS-Nr.	Range [%]	Symbol	R-phrases (pure basic material)
xylene, mixture of isomers	1330-20-7	1-< 12.5%	Xn	R10-20/21-38
n-butyl acetate	123-86-4	? 0.5%	-	R10
aromatic hydrocarbons	64742-95-6	> 0.5%	-	R10
2-methoxy-1-methylethyl acetate	108-65-6	1-< 20°.6	Xi	R10-36

03. Hazards identification

R10: Flammable.

04. First aid measures

04.01. First aid measures 1 general information

Change soaked clothing

04.02. First aid measures / inhalation

Ensure supply of fresh air.

In the event of symptoms refer for medical treatment.

04.03. First aid measures / skin contact

In case of contact with skin wash off immediately with soap and water

Consult a doctor if skin irritation persists.

04.04. First aid measures 1 eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

04.05. First aid measures / ingestion

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

Summon a doctor immediately.

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04. First aid measures

04.06.01. Advice to doctor I symptoms

04.06.02. Advice to doctor / hazards

04.06.03. Advice to doctor 1 treatment

Treat symptomatically.

If swallowed or in the event of vomiting, risk of product entering the lungs.

05. Fire-fighting measures

05.01. Suitable extinguishing media

water spray jet

carbon dioxide

dry powder

foam

05.02. Extinguishing media that must not be used for safety reasons

Full water jet

05.03. Special exposure hazards arising from the substance or preparation itself, combustion products

Risk of formation of toxic pyrolysis products

05.04. Special protective equipment for firefighters

Use breathing apparatus.

Wear full protective suit.

05.05. Additional information

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

06. Accidental release measures

06.01. personal precautions

Use breathing apparatus if exposed to vapours/dust/aerosol.

Ensure adequate ventilation

Use personal protective clothing.

Keep away sources of ignition.

06.02. environmental precautions

Do not discharge into the drains/surface waters/groundwater.

06.03. methods for cleaning up/taking up

Take up with absorbent material (e.g. general-purpose binder, silica gel, sand).

Send in suitable containers for recovery or disposal.

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07. Handling and storage

07.01.01. Advice on safe handling

Use only in well-ventilated areas.
 Provide good room ventilation even at ground level (vapours are heavier than air).
 Use solvent-resistant equipment.

07.01.02. Advice on protection against fire and explosion

Take precautionary measures against static discharges
 Keep away from sources of ignition
 Vapours can form an explosive mixture with air.

07.02.01. Requirements for storage rooms and vessels

Keep only in original container.
 Provide solvent-resistant and impermeable floor.

07.02.02. Advice on storage compatibility

Do not store together with animal feedstuffs.
 Do not store together with food.
 Do not store together with oxidizing agents.

07.02.03. Further information on storage conditions

Keep container in a well-ventilated place
 Keep container tightly closed
 Protect from heat/overheating.

08. Exposure controls / personal protection

08.01. Additional advice on system design

Provide protection equipment as indicated under 08.03

08.02. Exposure limits

Substance:	CAS-Nr.:	Value:
xylene, mixture of isomers	1330-20-7	MAK 100ppm, H, BAT
n-butyl acetate	123-86-4	MAK: 200 ppm 1995
aromatic hydrocarbon	64742-95-6	MAK: 50 ppm(TRGS404) 1995
2-methoxy-1-methylethyl acetate	108-65-6	MAK: 50 ppm Y 1995

08.03 Personal protection

08.03.01. Respiratory protection

Breathing apparatus in the event of high concentrations.
 Short term: filter apparatus, Filter A

08.03.02. Hand protection

Gloves (solvent-resistant)

08.03.03. Eye protection

Protective goggles

08.03.04. Skin protection

light protective clothing

08.03.05.01. General protective measures

Avoid contact with eyes and skin
 Do not inhale gases/vapours/aerosols.

08.03.05.02. Hygiene measures

At work do not eat, drink, smoke or take drugs.
 Wash hands before breaks and after work.
 Clean skin thoroughly after work, apply skin cream.
 Use barrier skin cream.

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09. Physical and chemical properties

Form	liquid
Colour	colourless
Odour	characteristic
pH-value	not applicable
Melting point	not determined
Boiling range	> + 126.5°C (n-butyl acetate)
Flash point	>+ 25°C (n-butyl acetate, xylene)
Ignition point	> + 370°C (n-butyl acetate)
Lower explosion limit (vol-%)	0.7 (Shellsol A)
Upper explosion limit (vol-%)	8.0 (Shellsol A)
Vapour pressure (20 C)	3 hPa (Shellsol A)/ 6.7 - 9.3 hPa (xylene)/ 13.3 hPa (n-butyl acetate)
Density (20°C)	1.006 g/cm ³
Solubility in water	not determined
Partition coefficient: n-octanol/water	-
Viscosity (DIN discharge cup, 20°C)	73 sec./ 4mm

10. Stability and reactivity

10.01. Hazardous reactions
 Reactions with oxidising agents.
 Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.
 Evolution of flammable vapour/air mixtures possible when stored in bulk containers at temperatures > 35°C.

10.02. Hazardous decomposition products

Flammable gases/vapours

11. Toxicological information

	Dimension	Species	Value:
Acute oral toxicity	LD50	rat	-
Acute dermal toxicity	LD50	rabbit	-
Acute inhalational toxicity	LC50	rat	-
Irritant effect on skin			
Irritant effect on eye			
Sensitization			
Subacute toxicity			
Chronic toxicity			
Subchronic toxicity			
Mutagenicity			
Reproduction toxicity			
Carcinogenicity			

11.01. Experiences made in practice

No data available

11.02. General remarks

No toxicological data are available.

The product was classified on the basis of the calculation procedure of the preparation directive (88/379/EEC).

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12. Ecological information

Physico chemical eliminability
 Biological degradability
 Biological eliminability
 Degradability according to law of wash and cleansing agent (WRMG)
 not applicable

Behaviour in environment compartments
 Fish toxicity
 Daphnia toxicity
 Algae toxicity
 Bacteria toxicity
 Behaviour in **sewage plant**
 not applicable

Chemical oxygen demand (COD)
 Biochemical oxygen demand (BOD5)
AOX-advice
 not applicable

Contains following heavy metals and compounds of 76/464/EWG
 not applicable
 General information
 Ecological data are not available

13. Disposal considerations

Disposal / product
 For recycling, consult manufacturer
 Dispose of as hazardous waste.
 Disposal / contaminated packaging
 Packaging that cannot be cleaned should be disposed of as for product

14. Transport information

Land transport ADR/RID

Class/Division/Group: 3 31. c)
 UN-No.: 1263
 Description: paint related material

Inland waterways transport / remarks

Marine transport / IMDG-Code

Class: 3.3
 UN-Nr.: 1263
Packing group III
 EmS: 3-05
 MFAG: 310,313
 Marine pollutant: P
 Proper shipping name paint related material

Air transport / ICAO ! IATA-DGR

Class: 3
 UN- / ID-Nr.: 1263
Packing group III
 Proper shipping name paint related material

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15. Regulatory information

15.01.01. Labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

15.01.02. Hazard symbols: - contains: -

15.01.03. R phrases

R10: Flammable.

15.01.04. S phrases

S2: Keep out of the reach of children.

S25: Avoid contact with eyes.

S46: If swallowed, seek medical advice immediately and show this container or label.

S51: Use only in well ventilated areas.

15.01.05. Special labelling for certain preparations

15.01.06. National regulations (german only)

Restriction of occupation

Decree for case of interference

Classification according to VbF

TA-Luft

Water hazard class

Water hazard class I source

Waste code no. I name of waste

ja

nein

nicht anwendbar

3.1.7

WGK 2

Selbsteinstufung

555 10

Lackierereiabfalle, nicht ausgehArtet

15.02.06. Other regulations, restrictions and prohibition regulations

16. Other information

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