

Product: afro Acryl-Harter fur Acrylfuller 3 : 1
 Date of issue: 05.12.1995 Replaces data sheet of: 05.12.1995

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

Trade name: airo Acryl-Harter fur Acrylfüller 3 : 1
 Company: AIRO CHEMIE A. SCHMIEMANN GmbH & CO. KG
 Carl- Leverkus-Strasse 27
 D-40764 Langenfeld
 Phone: 0 21 73-85 38-0
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 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 | < 12.5% | Xn R10-20/21-38 |
| toluene | 108-88-3 | >_ 12.5% | F, Xn R11-20 |
| aromatic hydrocarbons | 64742-95-6 | >_ 0.5% | - R10 |
| n-butyl acetate | 123-86-4 | >_ 0.5% | - R10 |
| ethyl acetate | 141-78-6 | >_ 0.5% | F R11 |
| 2-methoxy-1 -methylethylacetate | 108-65-6 | 1 -< 20% | Xi R10-36 |

03. Hazards identification

R11: Highly flammable.
 R20: Harmful by inhalation

04. First aid measures

04.01. First aid measures / general information

Change soaked clothing

04.02. First aid measures | inhalation

Remove the casualty into fresh air and keep him calm.
 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 | 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 / symptoms

04.06.02. Advice to doctor | hazards

04.06.03. Advice to doctor | 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 (under certain conditions formation of traces of toxic substances such as hydrocyanic acid cannot be excluded).

05.04. Special protective equipment for firefighters

Use breathing apparatus.
Wear full protective suit.

05.05. Additional informations

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
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, sand, silica gel).
Send in suitable containers for recovery or disposal.

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07. Handling and storage

07.01.01. Advice on safe handling

Avoid formation of aerosols.
 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

Vapours can form an explosive mixture with air.
 Risk of explosion if the liquid enters the drains.
 Take precautionary measures against static discharges.
 Keep *away* from sources of ignition.

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
 Keep in a cool place, heat causes increase in pressure and risk of bursting.

08. Exposure controls / personal protection

Additional advice on system design

Exposure limits

| Substance: | CAS-Nr.: | Value: |
|---------------------------------|------------|---------------------------|
| xylene, mixture of isomers | 1330-20-7 | MAK: 100 ppm, H, BAT |
| toluene | 108-88-3 | MAK: 50 ppm, Y, BAT 1995 |
| aromatic hydrocarbons | 64742-95-6 | MAK: 50 ppm(TRGS404) 1995 |
| ethyl acetate | 141-78-6 | MAK: 400 ppm 1995 |
| n-butyl acetate | 123-86-4 | MAK: 200 ppm 1995 |
| 2-methoxy-1-methylethyl acetate | 108-65-6 | MAK: 50 ppm Y 1995 |

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

Solvent-resistant protective clothing

08.03.05.01. General protective measures

Avoid contact with eyes and skin

Do not inhale vapours

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 | slight yellow |
| Odour | characteristic |
| pH-value | not applicable |
| Melting point | not determined |
| Boiling range | > -77.2°C (ethyl acetate) |
| Flash point | ? - 4°C (ethyl acetate) |
| Ignition point | > + 370°C (n-butyl acetate) |
| Lower explosion limit (vol-%) | 1.0 (xylene) / 2.1 (ethyl acetate) |
| Upper explosion limit (vol-%) | 7.6 (xylene) 111.5 (ethyl acetate) |
| Vapour pressure (20°C) | 102 hPa (ethyl acetate) / 6.7 - 9.3 hPa (xylene) 13.3 hPa (n-butyl acetate) |
| Density (20°C) | 0.965 g/cm ³ |
| Solubility in water | not determined |
| Partition coefficient: n-octanol/water | - |
| Viscosity (DIN flow cup, 20°C) | 13 sec. 14 mm |

10. Stability and reactivity

10.01. Hazardous reactions

Reactions with strong oxidising agents.

Evolution of ignitable vapour-air mixtures possible if stored in large containers and above room temperature.

Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.

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 | | | |

11.03.02. Experiences made in practice

not applicable

11.03.03. 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 7614641EWG
 not applicable

General information
 Ecological data are not available

13. Disposal considerations

Disposal I product
 For recycling, consult manufacturer
 Dispose of as hazardous waste.

Disposal I contaminated packaging
 Packaging that cannot be cleaned should be disposed of as for product

14. Transport information

Land transport ADR/RID

Class/Division/Group: 3.5 b)
UN-No.: 1263
Description: paint related material

Inland waterways transport / remarks

Marine transport / IMDG-Code

Class: 3.2
U N-Nr.: 1263
Packing group II
EmS: 3-05
M FAG: 310,313
Marine pollutant: p
Proper shipping name paint related material

Air transport / ICAO : IATA-DG R

Class: 3
UN- I ID-Nr.: 1263
Packing group II
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.

Hazard symbols

F Highly flammable
 Xn Harmful

contains:

toluene

15.01.03. R phrases

R11: Highly flammable.

R20: Harmful by inhalation

15.01.04. S phrases

S2: Keep out of the reach of children.

S16: Keep away from sources of ignition --- No smoking.

S23.3: Do not breathe vapour.

S25: Avoid contact with eyes.

S29: Do not discharge into the drains.

S33: Take precautionary measures against static discharges.

S36/37: Wear suitable protective clothing and gloves.

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

15.01.05. Special labelling for certain preparations

15.01.06. National regulations (german only)

Restriction of occupation

ja

Decree for case of interference

ja

Classification according to VbF

VbF A I

TA-Luft

3.1.7

Water hazard class

WGK 2

Water hazard class / source

Selbsteinstufung

Waste code no. / name of waste

555 10

Lackierereiabfalle, nicht ausgehärtet

15.02.06. Other regulations, restrictions and prohibition regulations

16. Other informations

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