

ACMOS CHEMIE KG according to Regulation (EU) No. 1907/2006

ACMOS 1124B

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

ACMOS 1124B

Use of the substance/preparation

Veneer release agent

Company/undertaking identification

Company name : ACMOS CHEMIE KG
Street : Industriestrasse 49
Place : D-28199 Bremen

Post-office box: 10 10 69

D-28010 Bremen

Telephone: +49-421-5189-0 Telefax: +49-421-511415

Contact person : Mr. Dryhaus e-mail : acmos@acmos.com Internet : www.acmos.com

Responsible Department: Laboratory (Division: Occupational- / Product security) - See under section 16

Emergency telephone: +49-551-19240

2. Hazards identification

Classification

This preparation is not classified as hazardous according to the new EC-preparation directive 1999/45/EC.

Explication of special hazards for human health and environment

No special remarkable hazards.

But please observe the informations given in this safety data sheet.

3. Composition/information on ingredients

Chemical characterization (Mixture)

Emulsion of active ingredients in water

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
200-578-6	64-17-5	ethanol, ethyl alcohol	5 - 10 %	F R11

Further Information

Subdivision of relevant R-Phrases in full text (number and wording) see under section 16.

4. First aid measures

General information

Take off all contaminated clothing immediately. Wash contaminated clothing before re-use.

Consult a physician if necessary

Show this safety data sheet to the doctor in attendance.

After inhalation

Move to fresh air.

Consult a physician if necessary

After contact with skin

Wash off with soap and water.

Preventive skin protection.

In the case of skin irritation or allergic reactions see a physician.

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After contact with eyes

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting. Immediately give large quantities of water to drink. Consult a physician.

Never give anything by mouth to an unconscious person.

Advice to doctor

Treat symptomatically

5. Fire-fighting measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. water, water spray, sand, alcohol-resistant foam, dry chemical, carbon dioxide (CO2)

Extinguishing media which must not be used for safety reasons

None known

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

No special precautions required.

The product itself does not burn.

Special protective equipment for fire-fighters

No special precautions required.

Additional information

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures

Personal precautions

Handle in accordance with good industrial hygiene and safety practice.

Avoid contact with skin and eyes.

Remove all sources of ignition. Do not smoke.

Try to avoid breathing vapours or spray mist.

Ensure adequate ventilation.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up/taking up

Clean-up methods - large spillage : Dam up. Shovel into suitable container for disposal. Local authorities should be advised if significant spillages cannot be contained.

Clean-up methods - small spillage: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.

Additional information

Further information see under section 8, 13.

7. Handling and storage

Handling

Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Use only in well-ventilated areas. When using, do not eat, drink or smoke.



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Advice on protection against fire and explosion

Keep product and empty container away from heat and sources of ignition. Do not smoke.

An explosible atmosphere may be build in partially and totally emptied containers.

Fire-fighting equipment on the basis of class B.

Further information on handling

Reference on types of contact requiring special precautionary measures :

No special precautions required

Storage

Requirements for storage rooms and vessels

Keep container tightly closed in a dry and well-ventilated place.

The valid water and zoning ordinances must be observed.

Advice on storage compatibility

Stable under recommended storage conditions.

Incompatible with oxidising agents.

Further information on storage conditions

Indoor stockability in closed unopened original containers: 18 months.

Store at room temperature in the original container.

Keep at temperatures between +10 and +30 °C.

Do not store outside. Avoid heating and direct sunlight.

See also instuctions on the label.

Storageclass (VCI): 10

Specific use(s)/replacement product(s)

Possibilities for substitution and references to less hazardous products :

This product was designed for a special application purpose and optimized appropriately.

In case of questions regarding product and application, please contact our field service in line with customer service or our technical sales department.

Specific regulations of branch industries:

Hazardous substance information systems of professional associations.

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS-No.	Chemical name	ml/m³	mg/m³	F/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

Additional advice on limit values

Recommended monitoring and observation processes: None known.

Exposure controls

Occupational exposure controls

Design of appropriate work processes and engineering controls and the use of adequate materials (physical cut-off of man and machine, model solutions as certified working methods, working appliance according to the state of the art, optimization of process / spray robots, working appliance for prevention of skin contact, models of working times). References for design of technical equipment: See under section 7.

Consider appropriate model solutions according to good engineering practices on designing the working process, if available.

Execution of collective protection measures at source and appropriate organisational measures (local exhaust



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ventilation, ventilation by technical means, general ventilation, measures on averting a danger at breakdowns / at emergencies / after accidents, first-aid-measures, manner related measures: operating instruction / instruction of employees, occupational medicine health precaution).

Provide appropriate exhaust ventilation at machinery. 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 particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Execution of individual and personnel protection measures (personal protective equipment - PPE).

Protective and hygiene measures

When using, do not eat, drink or smoke. General industrial hygiene practice.

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

Breath protection at insufficient ventilation or prolonged exposition. Observe limited carrying time. The use of filter equipment requires a minimum oxygen content of 17 Vol-% in the surrounding atmosphere and that the maximum permitted gas concentration - normally 0,5 Vol-% - is not exceeded.

Gas filtrating Half-face mask FFA (EN 405)

Model 4251 (FFA1P1 - 1000 ml/m3) / 4255 (FFA2P2SL - 5000 ml/m3) - 3M, Internet : http://www.3m.com

Half-face mask or Quarter-face mask with gas filter (EN 140)

Filter type 6051 (A1 - 1000 ml/m3) / 6055 (A2 - 5000 ml/m3) - 3M, Internet : http://www.3m.com

Full-face mask with gas filter (EN 136)
Gas filter type: A, Indication colour: brown

Hand protection

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Use only chemical protective gloves with CE-status of category III in accordance to EN 374. Suitable materials at long term, direct contact (Recommended: Preventive index 6, accordingly > 480 min. permeation time in accordance to EN 374):

Nitrile rubber / NBR (CAMATRIL VELOURS® - Art. No. 730) - Layer thickness: 0,4 mm

Suitable materials at short term contact or splash (Recommended : Preventive index 3, accordingly > 60 min. permeation time in accordance to EN 374) :

Disposable gloves of special nitrile rubber / NBR (DERMATRIL® P - Art. No. 743) - Layer thickness: 0,2 mm

Manufacturer:

Kächele-Cama Latex GmbH, Industriepark Röhn, Am Kreuzacker 9, D-36124 Eichenzell, c/o Tony O'Donovan, 2 Wyndham Road, New Waltham, Grimsby, N. E. Lincs, GB-DN36 4WA

 $Telephone: +44-(0)1472232883, \ Telefax: +44-(0)1472232883, \ Internet: http://www.kcl.de, \ E-Mail: kcl-uk@kcl.de, \ E$

The statements are based on self-tests, literary reference and information of glove manufacturers or have been derived from similar substances by analogy. Source: CHEMIKALIEN-MANAGER - KCL software for hand protection. It has to be noticed, that daily time of use of chemical protective gloves may be quite shorter in practice because of many factors of influence (e.g. thermal and mechanical stress as well as special conditions on the floor) than the permeation time determined in accordance to EN 374. The respective permeation time doubles/halvens at about 1,5 times larger/lower layer thickness. Declared permeation times according to EN 374 are not carried out under practical conditions. Therefore a maximum wearing time up to 50 % of breakthrough time is recommended. They relate to the pure solvent as mean component.

Decrease wearing protection gloves to an inevitable degree to avoid skin rash. Technical and organizational protective actions have to be preferred. Wear under gloves made of cotton as possible. Change preventive gloves once by hour or use special skin-protective preparations for protective gloves carrier, e.g. physioderm® proGlove Before removing gloves clean them with soap and water. Dispose preventive gloves after defect or expiry of wearing time. Check protective gloves to proper condition before usage.



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Preventive skin protection. : Draw up skin protection programme.

Before starting work, apply water-resistant skincare preparations,

e.g. saniwip®, dualin®

Wash hands before breaks and on finishing work,

e.g. ecosan®, topscrub® soft / topscrub® extra / topscrub® nature

After cleansing, apply greasy skincare products,

e.g. physioderm® creme, cura soft® / cUrea soft®

Manufacturer:

Physioderm GmbH & Co. KG, Woellnerstraße 26, D-67065 Ludwigshafen

Telephone: +49-621-54967-0, Telefax: +49-621-54967-58, Internet: http://www.physioderm.de, E-Mail:

info@physioderm.de

Eye protection

safety glasses with side-shields (EN 166)

Skin protection

Textile workclothing and shoes without special requirements. (EN 340)

Environmental exposure controls

Should not be released into the environment. Further information see under section 6.

9. Physical and chemical properties

General information

Physical state : gel
Colour : white
Odour : characteristic

Important health, safety and environmental information

Test method

pH-Value (at 20 °C): 7 DIN 19268

Changes in the physical state

Melting point : $$<0\,^{\circ}\text{C}$$ Literary reference Boiling point : $$>78\,^{\circ}\text{C}$$ Literary reference Flash point : $$54\,^{\circ}\text{C}$$ EN ISO 2719

Explosive properties

Not applicable

Lower explosion limits:

Upper explosion limits:

Upper explosion limits:

--- Literary reference

Literary reference

< 23 hPa

Literary reference

(at 20 °C)

Vapour pressure : < 123 hPa Literary reference

(at 50 °C)

Density (at 20 °C): 0,95 g/cm³ DIN 51757

Water solubility: emulsifiable

(at 20 °C)

Partition coefficient : Not applicable

Viscosity / kinematic: > 7 mm²/s 3 EN ISO 2431

(at 23 °C)

Flow time: > 100 s 3 EN ISO 2431

(at 23 °C)

Solvent separation test

Not applicable

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Ignition temperature:

Not applicable

A self-sustaining combustion of the product on test conditions is unverifiable.

UN Recommendations on the Transport of Dangerous Goods -

Manual of Tests and Criteria, Part III, Subsection 32.5.2.

10. Stability and reactivity

Conditions to avoid

none under normal use

Materials to avoid

none under normal use

Incompatible with oxidising agents.

Hazardous decomposition products

Stable at normal conditions

11. Toxicological information

Acute toxicity

No toxical dates available. Not proofed preparation.

The product was classified according to the conventionally method (based on the calculation procedure of the new EC-preparation directive 1999/45/EC).

Additional information on tests

No data is available on the product itself. Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

Based on manufacturer datas of the main components the acute toxixity, the skin irritation, the mucous membrane irritation and the mutagenic potential of the preparation were evaluated. However, some datas are not complete regarding particular main components. Nevertheless according to the experience of the manufacturer there are no other hazards expected then those which are already mentioned on the label.

Empirical data on effects on humans

Acute toxicity:

The following informations are derived from the properties of the individual components.

LD50/oral/rat = > 2000 mg/kg LD50/dermal/rat = > 2000 mg/kg LC50/inhalation/4h/rat = > 20 mg/l

Irritant-/corrosive effects : to skin : None known to eyes : None known

Sensitizing effects:

after inhalation : None known after skin contact : None known

Subacute to chronical toxicity: None known

Carcinogenic, mutagenic and reproductive toxic effects: None known

Health injuries are not known or expected under normal use. Experience shows no unusual dermatitis hazard from routine handling.

None known

12. Ecological information



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Ecotoxicity

No ecotoxical dates available. Not proofed preparation.

The product was classified according to the conventionally method (based on the calculation procedure of the new EC-preparation directive 1999/45/EC).

Aquatic toxicity (Fish toxicity, Algae toxicity, Daphnia toxicity):

The following informations are derived from the properties of the individual components.

LC50/96h/guppy = > 100 mg/l EC50/72h/algae = > 100 mg/l EC50/48h/daphnia = > 100 mg/l

Terrestric toxicity (Bird toxicity, Beneficial insect, Rainworm toxicity): no data available

Plant toxicity: no data available

Behaviour in waste water treatment plants : no data available

Mobility

Surface tension: no data available

Transport soil-water (Adsorption coefficient) : no data available Transport water-air (volatility rate, Henry-constant) : no data available

Transport soil-air (volatility rate): no data available

Persistence and degradability

Abbiotic degradation (Hydrolysis, Photolysis): no data available Physicochemical elimination (Oxidation, Hydrolysis): no data available Photochemical elimination (Photooxidation): no data available

Biodegradation: no data available

Bioaccumulative potential

Partition coefficient n-octanol /water (log pO/W) : Not applicable (Preparation)

Bioconcentration factor (BCF): Not applicable (Preparation)

Other adverse effects

Ozone depletion potential (ODP): no data available

Photochemical ozone building potential (OBP): no data available

Global warming potential (GWP): no data available

Product does not contain any organic halogens. (AOX)

Further information

Results of PBT-assesment : no data available

13. Disposal considerations

Advice on disposal

Disposal according to offical regulations. Do not flush into surface water or sanitary sewer system. Do not dispose of waste into sewer. May not be disposed or deposited together with domestic garbage. Pack product waste or close and label uncleaned empty packages in respect to the local and official regulations and supply to an appropriate way of disposal.

The relation of waste-codes according to EWC has to be realized by branch and process. The waste producer is resposible for correct coding and designation of his wastes. For small amounts (< 20 kg/L) contact next special waste counter or a mobile service for harmful substances. Before discharge in public drains (e.g. residues of washing- and rinsing liquids) please observe the relevant regulations. In case of further questions please contact your waste- or environmental representative or the responsible authority.

List of proposed waste codes / waste designations in accordance with EWC :

Waste disposal number of waste from residues/unused products

120115

WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining sludges other than those mentioned in 12 01 14

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Waste disposal number of used product

120115 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS

AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and

plastics; machining sludges other than those mentioned in 12 01 14

Waste disposal number of contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE

CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal

packaging waste); mixed packaging

Contaminated packaging

Contaminated packages must be completely emptied and may be reused after proper cleaning. Dipose of packages that cannot be cleaned like the product. Cleaning by recycling company.

As well uncleaned (empty) containers remain contaminated by product residues and may be hazardous by vapours. They have to be disposed by specialists or have to be supplied to a licensed reconditioning. The conditions of the regional reconditioning companies have to be observed.

Offer rinsed packaging material to local recycling facilities.

Recommended cleansing agent : Clean with detergents. Avoid solvents. Dispose of rinse water as waste water. Do not contaminate water.

14. Transport information

Land transport (ADR/RID)

Other applicable information (land transport)

Not classified as dangerous in the meaning of transport regulations.

Marine transport

Other applicable information (marine transport)

Not classified as dangerous in the meaning of transport regulations.

Air transport

Other applicable information (air transport)

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

Labelling

Additional advice on labelling

The product does not need to be labelled in accordance with EC directives or respective national laws. Preparation Directive 1999/45/EC.

EU regulatory information

1999/13/EC (VOC): Content of volatile organic compounds (VOC) = 6 % w/w.

VOC-value (25 °C) = 57 g/L.

Additional information

Restrictions on the marketing and use of certain dangerous substances and preparations (Regulation (EC) No.

552/2009): Not relevant

Informations on Directive 2004/42/EC: Not applicable

EC-Chemical inventories: All ingredients are listed in EINECS / ELINCS or excepted from listing.

A chemical safety assessment (CSA) for the substance (or for a substance in this preparation) has not been carried out.

National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment

restrictions for child bearing mothers and nursing.

Water contaminating class (D): 1 - slightly water contaminating

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Additional information

International chemical inventories (Registration status on substances): no data available

European product inventories (Registration status on preparations):

Istituto Superiore di Sanità / Archivio Preparati Pericolosi - ISS (http://www.preparatipericolosi.iss.it/iss/index.phtml):

This product was not registered.

Kemikalieinspektionen / Produktregistret / Swedish Chemicals Inspectorate - Keml

(http://apps.kemi.se/nclass/default.asp):

This product was registered.

Schweizerische Eidgenossenschaft - Bundesamt für Gesundheit - BAG (http://www.bag.admin.ch) /

Informationssystem für gefährliche und umweltrelevante Stoffe - IGS (http://igs.naz.ch/index.html):

This product was registered.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

11 Highly flammable.

Further Information

Full text of all R-phrases which are referred to in section 2 and 3 of this safety data sheet - see previous list. These (this) R-phrases/R-phrases apply/applies to the substance(s) of content, however, it does not necessarily show the classification of the product.

Training references:

Yearly briefing and instruction of employees by means of operating instructions according to article 8 of EC-directive 98/24/EC.

Recommended restriction of application:

The product is for industrial and professional use only - no consumer product. For more reference to application see separate product information. Please refer to our internet website for more information.

Sources of most important data used for creation of the data sheet :

The classification corresponds to current EC-lists, but is completed by statements of technical literature and company data. Other public accessible sources :

Regulation (EC) No. 1907/2006 (REACH) in the valid version in each case

Regulation (EC) No. 1272/2008 (GHS) in the valid version in each case

Substance Directive 67/548/EEC in the valid version in each case - last changed by Directive 2006/121/EC

Preparation Directive 1999/45/EC in the valid version in each case - last changed by Directive 2006/8/EC

European Agency for Safety and Health at Work - national air treshold values from european member states - EH 40

(http://osha.europa.eu/good_practice/topics/dangerous_substances/oel/members.stm)

European Chemical Substances Information System - ESIS (http://ecb.jrc.ec.europa.eu/esis)

MERCK Chemical Databases - MERCK Chemicals (http://www.merck-chemicals.com)

Further information and practical guides on the internet:

European Chemicals Agency - ECHA (http://ec.europa.eu/echa)

The access to European Union law - EUR-Lex (http://eur-lex.europa.eu)

Control of Substances Hazardous to Health Regulations - COSHH (http://www.coshh-essentials.org.uk/Home.asp)

Pollution Prevention and Control Act and Pollution Prevention and Control Regulations

Health and Safety Executive - HSE - Leaflets for Chemicals (http://www.hse.gov.uk/pubns/chindex.htm)

Inquiry office: Laboratory (Division: Occupational-/Product security)

Contact person: Mr. Dryhaus (Telephone: +49-421-5189-0, Telefax: +49-421-5189-871)

Office hours: Mo - Th from 7.30 - 16.15 h and Fr from 7.30 - 13.30 h. Out of office hours no call diversion.

Changes

This version replaces all former issues.

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Changes made in this revision see section: 2, 4, 5, 7, 8, 9, 11, 13, 15, 16.

Disclaimer:

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release The receiver of our product is singulary responsible for adhering to existing laws and regulations. All descriptions are approximate values, they are not specified for construction of specifications. This safety data sheet does not represent any operating instruction according to national chemical regulations. It may be used for creation, but must not replace it. The employer is not relieved from his duties. All technical information to occupational protection are directed predominately to experts first (safety engineers, occupational medicines).

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