

Safety Data Sheet

According to (EG) Nr. 1907/2006

MDA

Acrylic Sealant



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

Product name: Mungo MDA Acryl

Use of the substance or the preparation: Sealant

Company/undertaking identification:

Mungo Befestigungstechnik AG
Bornfeldstrasse 2
CH- 4603 Olten
Telefon +41 62 206 75 75, Fax +41 62 206 75 85
Email: mungo@mungo.ch

Telephone number for emergency:

145 or +41 44 251 51 51
Toxicological Information Centre

2. Hazards identification

No hazard classification in accordance with directives 67/548/EEC and/or 1999/45EC

3. Composition / information on ingredients

Hazardous ingredients	CAS No. EINECS/ELINCS No	Conc. in %	Hazard symbol	Risks (R-phrases)
none	-	-	-	-

4. First aid measures

Eye contact: Rinse immediately with plenty of water
Seek medical advice

Skin contact: Rinse immediately with plenty of water
If irritation persists: seek medical advice

After inhalation: Remove the victim into fresh air
Seek medical advice

After ingestion: Never give water to an unconscious person
Do not induce vomiting
Seek medical advice

5. Fire fighting measures

Suitable extinguishing media: For surrounding fires: all extinguishing media allowed

Unsuitable extinguishing media:

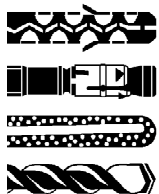
None

Special exposure hazards: Upon combustion formation of CO, CO₂ and small quantities of phosphorus oxides, sulphur oxides, hydrogen chloride

Instructions: No specific fire fighting instructions required

Special protective equipment for fire-fighters:

Heat/fire exposure: compressed air/oxygen apparatus
Protective clothing for exposure to chemicals



6. Accidental release measures

Personal protection/precautions:

See heading 8/13

Environmental precautions: Use appropriate containment to avoid environmental contamination

Methods for cleaning up: Scoop solid spill into closing containers
Clean contaminated surfaces with an excess of water

7. Handling and storage

Handling: Observe normal hygiene standards
Avoid prolonged and repeated contact with skin
Remove contaminated clothing immediately

Storage: Keep only in the original container
Keep away from: heat sources

Storage temperature: Room temperature

Quantity limits: N.D. kg

Storage life: 365 days

Materials for packaging: suitable synthetic material

Specific uses: See information supplied by the manufacturer

8. Exposure controls / personal protection

Exposures limit values:

TLV-TWA:	not listed
TLV-STEL:	not listed
TLV-Ceiling:	not listed
WEL-LTEL:	not listed
WEL-STEL:	not listed
MAK:	not listed
MAC-TGG 8 h:	not listed
MAC-TGG 15 min.:	not listed
MAC-Ceiling:	not listed
VME-8 h:	not listed
VLE-15 min.:	not listed
GWBB-8 h:	not listed
GWK-15 min.:	not listed
Momentary value:	not listed
EC:	not listed
EC-STEL:	not listed

Exposure controls:

Occupational exposure controls:

Use only in well ventilated area

Environmental exposure controls:

see heading 13

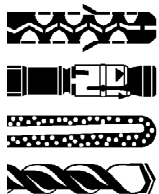
Personal protection:

Respiratory protection: Respiratory protection not required in normal conditions

Hand protection: Gloves

Eye protection: Safety glasses

Skin protection: Protective clothing



9. Physical and chemical properties

General information:

Appearance (at 20°C):	Paste
Odour:	Characteristic
Colour:	Variable in colour

Important health, safety and environmental information:

PH value:	N.D.
Boiling point/boiling range:	N.D. °C
Flashpoint:	N.D. °C
Explosion limits:	N.D. vol%
Vapour pressure (at 20°C):	N.D. hPa
Vapour pressure (at 50°C):	N.D. hPa
Relative density (at 20°C):	1.5
Water solubility:	N.D. g/100 ml
Soluble in:	No data available
Relative vapour density:	N.D.
Viscosity:	N.D. Pa.s

Partition coefficient n-octanol/ water:	N.D.
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Evaporation rate ratio to butyl acetate:	N.D.
ratio to ether:	N.D.

Other information:

Melting point/melting range:	N.D. °C
Auto-ignition point:	N.D. °C
Saturation concentration:	N.D. g/m ³

10. Stability and reactivity

Conditions to avoid: Stable under normal conditions

Materials to avoid: Keep away from: heat sources

Hazardous decomposition products:

Upon combustion formation of CO, CO₂ and small quantities of phosphorus oxides, sulphur oxides, hydrogen chloride

11. Toxicological information

Acute toxicity:	LD50 oral rat:	N.D. mg/kg
	LD50 dermal rat:	N.D. mg/kg
	LD50 dermal rabbit:	N.D. mg/kg
	LC50 inhalation rat:	N.D. mg/l/4 h
	LC50 inhalation rat:	N.D. ppm/4 h

Chronic toxicity:	EC carc. cat.:	not listed
	EC muta. cat.:	not listed
	EC repr. cat.:	not listed

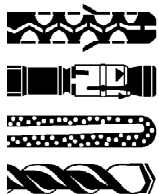
Carcinogenicity (TLV):	not listed
Carcinogenicity (MAC):	not listed
Carcinogenicity (VME):	not listed
Carcinogenicity (GWBB):	not listed

Carcinogenicity (MAK):	not listed
Mutagenicity (MAK):	not listed
Teratogenicity (MAK):	not listed

IARC classification:	not listed
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Routes of exposure: ingestion, inhalation, eyes and skin

Acute effects/symptoms:



AFTER EYE CONTACT: Slight irritation

Chronic effects: Not listed in carcinogenicity class (IARC, EC, TLV, MAK)
Not listed in mutagenicity class (EC, MAK)
Not classified as toxic to reproduction (EC)

12. Ecological information

Ecotoxicity: No data available

Mobility: Volatile organic compounds (VOC): < 1%
For other physicochemical properties see heading 9

Persistence and degradability: biodegradation BOD5 : N.D. % ThOD
water: - No data available
soil: T ½: N.D. days

Bio accumulative potential: log Pow: N.D.
BCF: N.D.

Other adverse effects: WGK: N.D.
Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)

Greenhouse effect: no data available

Effect on waste water purification:
no data available

13. Disposal considerations

Provisions relating to waste: Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 08 04 10 (waste adhesives and sealants other than Those mentioned in 08 04 09)

Disposal methods: Remove to an authorized incinerator

Packaging/Container: Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 02 (plastic packaging)

14. Transport information

Classification of the substance in compliance with UN Recommendations:

NOT SUBJECT

ADR (transport by road): NOT SUBJECT

RID (transport by rail): NOT SUBJECT

ADNR (transport by inland waterways): NOT SUBJECT

IMDG (maritime transport): NOT SUBJECT

ICAO (air transport): NOT SUBJECT

Special precautions in connection with transport:

Not restricted for any mode of international transport

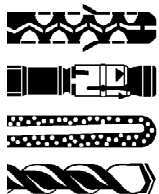
15. Regulations - classification and identification

EU legislation: Not classified as dangerous in compliance with Directive 67/548/EEC and/ or Directive 1999/45/EC

National provisions:

The Netherlands: Waterbezwaarlijkheid: N.B.

Germany: WGK: N.D.



16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
(*) = INTERNAL CLASSIFICATION (NFPA)

Exposure limits:

TLV: Threshold Limit Value - ACGIH USA
WEL: Workplace Exposure Limits - United Kingdom
MAK: Maximale Arbeitsplatzkonzentrationen - Germany
MAC: Maximale aanvaarde concentratie - The Netherlands
VME: Valeurs limites de Moyenne d'Exposition - France
VLE: Valeurs limites d'Exposition à court terme - France
GWBB: Grenswaarde beroepsmatige blootstelling - Belgium
GWK: Grenswaarde kortstondige blootstelling - Belgium
EC: Indicative occupational exposure limit values - directive 2000/39/EC
I: Inhalable fraction = **T:** Total dust = **E:** Einatembarer Aerosolanteil
R: Respirable fraction = **A:** Alveolengängiger Aerosolanteil/Alveolar dust
C: Ceiling limit
a: aerosol **r:** rook/Rauch (fume)
d: damp (vapour) **st:** stof/Staub (dust)
du: dust **ve:** vezel (fibre)
fa: Faser (fibre) **va:** vapour
fi: fibre **om:** oil mist
fu: fume **on:** olienevel/Ölnebel (oil mist)
p: poussière (dust) **part:** particles

Chronic toxicity:

K: List of the carcinogenic substances and processes - The Netherlands