

AAG 2K RUBBER CEMENT



safety data sheet

08L199000H20
04/03 2020

Precautionary statements

| | |
|----------------|--|
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/doctor. |
| P331 | Do NOT induce vomiting. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P273 | Avoid release to the environment. |
| P243 | Take action to prevent static discharges. |
| P210 | Keep away from heat. No Smoking. |

Special labelling of certain mixtures

| | |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| EUH208 | Contains Kolophonium. May produce an allergic reaction. Restricted to professional users. |

Additional advice on labelling

No longer be emitted from packaging size > 350 g to the general public. For package size ≤ 350 g Additional marking: "This product may not be processed under conditions of poor ventilation." and "This product must not be used for bonding carpets."

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture in organic solvents

Hazardous components

| CAS No | Chemical name | Quantity | | |
|-----------|--|--------------|------------------|-----------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 141-78-6 | ethyl acetate | | | < 45 % |
| | 205-500-4 | 607-022-00-5 | 01-2119475103-46 | |
| | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066 | | | |
| 110-82-7 | cyclohexane | | | < 45 % |
| | 203-806-2 | 601-017-00-1 | 01-2119463273-41 | |
| | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410 | | | |
| 1314-13-2 | zinc oxide | | | < 5 % |
| | 215-222-5 | 030-013-00-7 | 01-2119463881-32 | |
| | Aquatic Acute 1, Aquatic Chronic 1; H400 H410 | | | |
| 8050-09-7 | Rosin, colophony | | | 0,1 - 1 % |
| | 232-475-7 | 650-015-00-7 | | |
| | Skin Sens. 1; H317 | | | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down. Transport affected person in lying position, in case of shortness of breath in half-sitting position. Remove contaminated, saturated clothing immediately. Call a physician immediately.

After inhalation

In case of respiratory tract irritation, consult a physician. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water mist, Foam, Carbon dioxide (CO₂), Water spray, Sand

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Personal protection equipment: see section 8 Remove all sources of ignition. Provide adequate ventilation.

6.2. Environmental precautions

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

No data available

6.4. Reference to other sections

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Advice on safe handling

Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion

Vapours can form explosive mixtures with air.

Further information on handling

Splashproof grounded devices

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a well-ventilated place. Keep container tightly closed. Keep/Store only in original container. Material, solvent-resistant

Advice on storage compatibility

Keep in a cool, well-ventilated place away from acids. Do not store together with: Food and feedingstuffs, Oxidising agent

Further information on storage conditions

maximum storage temperature < 20°C

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|-------------|-----|-------------------|-----------|---------------|--------|
| 110-82-7 | Cyclohexane | 100 | 350 | | TWA (8 h) | WEL |
| | | 300 | 1050 | | STEL (15 min) | WEL |

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DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---------------|----------------|----------|------------------------|
| 141-78-6 | ethyl acetate | | | |
| Worker DNEL, acute | | inhalation | local | 1468 mg/m ³ |
| Worker DNEL, long-term | | inhalation | local | 734 mg/m ³ |
| Consumer DNEL, acute | | inhalation | local | 734 mg/m ³ |
| Worker DNEL, long-term | | dermal | | 63 mg/kg bw/day |
| Consumer DNEL, long-term | | dermal | | 37 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | local | 367 mg/m ³ |
| Consumer DNEL, long-term | | oral | | 4,5 mg/kg bw/day |
| 110-82-7 | cyclohexane | | | |
| Consumer DNEL, long-term | | oral | systemic | 59,4 mg/kg bw/day |
| Worker DNEL, long-term | | dermal | systemic | 2016 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 700 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1186 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | local | 700 mg/m ³ |
| Consumer DNEL, acute | | inhalation | systemic | 412 mg/m ³ |
| Consumer DNEL, acute | | inhalation | local | 412 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | local | 206 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | systemic | 206 mg/m ³ |
| Worker DNEL, acute | | inhalation | local | 700 mg/m ³ |
| Worker DNEL, acute | | inhalation | systemic | 700 mg/m ³ |

PNEC values

| CAS No | Substance | Value |
|--|---------------|-------------|
| 141-78-6 | ethyl acetate | |
| Freshwater | | 0,26 mg/l |
| Marine water | | 0,026 mg/l |
| Freshwater sediment | | 0,34 mg/kg |
| Marine sediment | | 0,034 mg/kg |
| Soil | | 0,22 mg/kg |
| 110-82-7 | cyclohexane | |
| Freshwater | | 0,207 mg/l |
| Marine water | | 0,207 mg/l |
| Micro-organisms in sewage treatment plants (STP) | | 3,24 mg/l |
| Soil | | 2,99 mg/kg |

8.2. Exposure controls

Protective and hygiene measures

When using do not eat, drink, smoke, sniff.

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Eye/face protection

goggles

Hand protection

Suitable material: FKM (fluoro rubber) NBR (Nitrile rubber) Unsuitable material: PVC (polyvinyl chloride) CR (polychloroprene, chloroprene rubber) Breakthrough time (maximum wearing time) ≥ 8 h, Thickness of the glove material 0,35 - 0,4 mm

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values Filtering device (full mask or mouthpiece) with filter: A

Environmental exposure controls

Discharge into the environment must be avoided. Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-------------------------|
| Physical state: | Liquid |
| Colour: | white black transparent |
| Odour: | fruity |

Test method

Changes in the physical state

| | |
|--|------------------------|
| Initial boiling point and boiling range: | 77 - 82 °C |
| Flash point: | -11 °C |
| Lower explosion limits: | 1 g/m ³ |
| Upper explosion limits: | 12,8 g/m ³ |
| Vapour pressure: (at 20 °C) | 104 hPa Cyclohexan |
| Vapour pressure: (at 20 °C) | 100 hPa Ethylacetat |
| Density (at 20 °C): | 0,88 g/cm ³ |
| Viscosity / dynamic: (at 20 °C) | ca. 1700 mPa·s |
| Solvent content: | ca. 80 % |

9.2. Other information

| | |
|----------------|----------|
| Solid content: | ca. 20 % |
|----------------|----------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

In case of warming: Danger of explosion

10.5. Incompatible materials

Oxidising agent

10.6. Hazardous decomposition products

Carbon dioxide (CO₂) Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

| CAS No | Chemical name | | | | |
|-----------|--------------------------|-------------------|---------|----------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 141-78-6 | ethyl acetate | | | | |
| | oral | LD50 5600 mg/kg | Rat | | |
| | dermal | LD50 18000 mg/kg | Rabbit | | |
| | inhalative vapour | LC50 58 mg/l | Rat | | |
| 110-82-7 | cyclohexane | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | OECD 401 | |
| | dermal | LD50 > 2000 mg/kg | Rabbit | OECD 402 | |
| | inhalative (4 h) vapour | LC50 > 32,88 mg/l | Rat | OECD 403 | |
| 1314-13-2 | zinc oxide | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | OECD 401 | |
| | inhalative (4 h) aerosol | LC50 > 5 mg/l | Rat | | |

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (ethyl acetate; cyclohexane)

STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

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| CAS No | Chemical name | | | | | |
|-----------|--------------------------|------------|-----------------|---------|--------------------------------------|----------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 141-78-6 | ethyl acetate | | | | | |
| | Acute fish toxicity | LC50 | 230 mg/l | 96 h | Pimephales promelas (fathead minnow) | |
| | Acute crustacea toxicity | EC50 | 717 mg/l | 48 h | Daphnia magna (Big water flea) | |
| | Fish toxicity | NOEC mg/l | < 9,65 | 32 d | Pimephales promelas | |
| 110-82-7 | cyclohexane | | | | | |
| | Acute fish toxicity | LC50 mg/l | 4,53 | 96 h | Fisch | OECD 203 |
| | Acute crustacea toxicity | EC50 | 2,4 mg/l | 48 h | Daphnia magna (Big water flea) | OECD 202 |
| | Algae toxicity | NOEC mg/l | 0,94 | | Algen | OECD 201 |
| 1314-13-2 | zinc oxide | | | | | |
| | Acute fish toxicity | LC50 | 0,14 - 1,1 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | |
| | Acute algae toxicity | ErC50 mg/l | 0,14 | 96 h | Pseudokirchneriella subcapitata | |
| | Acute crustacea toxicity | EC50 | 5 mg/l | 48 h | Daphnia magna (Big water flea) | |
| 8050-09-7 | Rosin, colophony | | | | | |
| | Acute fish toxicity | LC50 mg/l | < 10 | 96 h | Brachydanio rerio | OECD 203 |
| | Acute crustacea toxicity | EC50 | 911 mg/l | 48 h | Daphnia magna | OECD 202 |

12.2. Persistence and degradability

There are no data available on the preparation/mixture itself.

| CAS No | Chemical name | | | |
|----------|---------------|-------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 141-78-6 | ethyl acetate | | | |
| | OECD 301 D | 79 % | 20 | |
| 110-82-7 | cyclohexane | | | |
| | OECD 301 F | 77 % | 28 | |

12.3. Bioaccumulative potential

There are no data available on the preparation/mixture itself.

BCF

| CAS No | Chemical name | BCF | Species | Source |
|----------|---------------|-----|---------|--------|
| 141-78-6 | ethyl acetate | 30 | | |
| 110-82-7 | cyclohexane | 167 | | |

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|-----------|
| 14.1. UN number: | UN 1133 |
| 14.2. UN proper shipping name: | Adhesives |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | III |
| Hazard label: | 3 |



| | |
|--------------------------|-----|
| Classification code: | F1 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |
| Transport category: | 3 |
| Tunnel restriction code: | E |

Inland waterways transport (ADN)

| | |
|--|-----------|
| 14.1. UN number: | UN 1133 |
| 14.2. UN proper shipping name: | Adhesives |
| 14.3. Transport hazard class(es): | 3 |
| 14.4. Packing group: | III |
| Hazard label: | 3 |



| | |
|----------------------|-----|
| Classification code: | F1 |
| Limited quantity: | 5 L |
| Excepted quantity: | E1 |

Marine transport (IMDG)

| | |
|--|-----------|
| 14.1. UN number: | UN 1133 |
| 14.2. UN proper shipping name: | Adhesives |
| 14.3. Transport hazard class(es): | 3 |

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14.4. Packing group:

III

Hazard label:

3



Marine pollutant:

yes

Special Provisions:

223, 955

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

UN 1133

14.2. UN proper shipping name:

Adhesives

14.3. Transport hazard class(es):

3

14.4. Packing group:

III

Hazard label:

3



Special Provisions:

A3

Limited quantity Passenger:

10 L

Passenger LQ:

Y344

Excepted quantity:

E1

IATA-packing instructions - Passenger:

355

IATA-max. quantity - Passenger:

60 L

IATA-packing instructions - Cargo:

366

IATA-max. quantity - Cargo:

220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

yes



Danger releasing substance:

Cyclohexan

14.6. Special precautions for user

not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 57: cyclohexane

2010/75/EU (VOC):

80 % (704 g/l)

2004/42/EC (VOC):

80 % (704 g/l)

Information according to 2012/18/EU
(SEVESO III):

E1 Hazardous to the Aquatic Environment

Additional information:

P5c

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Additional information

REACH, Anhang XVII, Nr. 3, Nr. 40, Nr. 57

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - clearly water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2, 16.
8, 15

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains Kolophonium. May produce an allergic reaction.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Identified uses

| No | Short title | LCS | SU | PC | PROC | ERC | AC | TF | Specification |
|----|-------------|-----|-------|----|------|-----|----|----|---------------|
| 1 | | - | 3, 11 | 1 | - | - | - | - | |

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)