

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 24.01.2021

Version number 1

Revision: 24.01.2021

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- Trade name: **ATTBLIME ABP-G**  
 UFI: WAA0-W0KN-J00C-6HF2
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
 Product category PC9a Coatings and paints, thinners, paint removers  
 Process category PROC5 Mixing or blending in batch processes  
 Environmental release category ERC2 Formulation into mixture  
 Application of the substance / the mixture Flattening agent, Matting agent

#### 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: Manufacturer  
 Graichen Produktions- und Vertriebs-GmbH  
 Darmstädter Str. 127 - 129  
 D-64625 Bensheim  
 Tel.: +49(0)6251/73103  
 Fax: +49(0)6251/77901  
 e-mail: ehs@graichen-bensheim.de  
 homepage: http://www.graichen.net
- Manufacturer: Graichen Produktions- und Vertriebs- GmbH  
 Darmstädterstraße 127-129  
 D-64625 Bensheim  
 Germany  
 Tel.: +49 6251 7707880  
 Fax: +49 6251 77901  
 E-Mail: ehs@graichen-bensheim.de  
 www.graichen.net

- Further information obtainable from: Produktsicherheit

#### 1.4 Emergency telephone number:

During office hours: +49(0)6251/73103  
 Out of office hours: +49(0)172/7478476

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008  
 Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
 Eye Irrit. 2 H319 Causes serious eye irritation.  
 STOT SE 3 H336 May cause drowsiness or dizziness.

#### 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008  
 Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02 GHS07

- Signal word

Danger

- Hazard-determining components of labelling:

- Hazard statements

propan-2-ol  
 H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

- Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P243 Take action to prevent static discharges.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.  
 vPvB: Not applicable.

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### SECTION 3: Composition/information on ingredients

#### 3.2 Chemical characterisation: Mixtures

. Dangerous components:

CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	50 – 100%
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. Additional information: For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- . After inhalation: Supply fresh air; consult doctor in case of complaints.
- . After skin contact: Generally the product does not irritate the skin.
- . After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- . After swallowing: Seek immediate medical advice.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- . Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

#### 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

#### 5.3 Advice for firefighters

- . Protective equipment: No special measures required.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Not required.

#### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

#### 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.

#### 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

No special precautions are necessary if used correctly.

. Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

#### 7.2 Conditions for safe storage, including any incompatibilities

. Storage:

. Requirements to be met by storerooms and receptacles:

No special requirements.

. Information about storage in one common storage facility:

Store away from foodstuffs.  
Do not store with drugs, food and animal foodstuff including additives, infectious, explosive, radioactive and toxic materials.

. Further information about storage conditions:

Store receptacle in a well ventilated area.

#### 7.3 Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

. Additional information about design of technical facilities:

No further data; see item 7.

. Ingredients with limit values that require monitoring at the workplace:

#### CAS: 67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm
	Long-term value: 999 mg/m <sup>3</sup> , 400 ppm

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**CAS: 9005-25-8 Starch**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable \*\*respirable

## . DNELs

**CAS: 67-63-0 propan-2-ol**

Oral	DNEL Long-term - systemic effects	26 mg/kg bw/day (general (Allgemeinbevölkerung))
Dermal	DNEL Long-term - systemic effects	319 mg/kg bw/day (general (Allgemeinbevölkerung)) 888 mg/kg bw/day (Workers (Arbeitnehmer))
Inhalative	DNEL Long-term - systemic effects	89 mg/m <sup>3</sup> (general (Allgemeinbevölkerung)) 500 mg/m <sup>3</sup> (employee / Arbeitnehmer) 500 mg/m <sup>3</sup> (Workers (Arbeitnehmer))

## . PNECs

**CAS: 67-63-0 propan-2-ol**

PNEC Soil (Boden)	28 mg/kg
PNEC fresh water sediment (Süßwassersediment)	552 mg/kg
PNEC fresh water (Süßwasser)	140.9 mg/l
PNEC marine water sediment	552 mg/kg
PNEC Marine water	140.9 mg/l
PNEC-STP	2,251 mg/l

. Additional information: The lists valid during the making were used as basis.

**8.2 Exposure controls**

. Personal protective equipment:  
. General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.

. Respiratory protection:

Not required.

. Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

. Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

. Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

. Eye protection:

Tightly sealed goggles

**SECTION 9: Physical and chemical properties****. 9.1 Information on basic physical and chemical properties**

. General Information

. Appearance:

Form:	Liquid
Colour:	Light grey
Odour:	Alcohol-like
Odour threshold:	Not determined.

. pH-value: Not determined.

. Change in condition

Initial boiling point and boiling range: 82 °C

. Flash point: 12 °C

. Flammability (solid, gas): Not applicable.

. Decomposition temperature: Not determined.

. Auto-ignition temperature: Product is not selfigniting.

. Explosive properties: Not determined.

. Explosion limits:

Lower:	2 Vol %
Upper:	12 Vol %

. Vapour pressure at 20 °C: 48 hPa

. Density: Not determined.

. Relative density: Not determined.

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. Vapour density	Not determined.
. Evaporation rate	Not determined.
. Solubility in / Miscibility with water:	Not miscible or difficult to mix.
. Partition coefficient: n-octanol/water:	Not determined.
. Viscosity: Dynamic:	Not determined.
. Solvent content: Organic solvents: Water:	63.0 % 0.7 %
Solids content:	36.3 %
<b>. 9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- . **10.1 Reactivity** No further relevant information available.
- . **10.2 Chemical stability**
- . Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** Hazardous thermal decomposition products may include: Formaldehyde, Carbon dioxide, Carbon monoxide, Methanol

### SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . Acute toxicity Based on available data, the classification criteria are not met.

. LD/LC50 values relevant for classification:

#### CAS: 67-63-0 propan-2-ol

Oral	LD50	5,840 mg/kg (rat) (Acute Oral Toxicity)
Dermal	LD50	12,870 mg/kg (rab) (Acute Dermal Toxicity)
Inhalative	LC50/4h	72.6 mg/l (rat)
	LC50/6h	> 25 mg/l (rat) (Acute Inhalation Toxicity)

#### CAS: 68891-38-3 Natriumlaurylethersulfat,

Oral	LD50	> 2,000 mg/kg (rat)
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. Primary irritant effect:

. Skin corrosion/irritation

#### CAS: 67-63-0 propan-2-ol

Atz-/Reizwirkung auf die Haut (4h) (rabbit) (Acute Dermal Irritation/Corrosion)

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

. Serious eye damage/irritation

#### CAS: 67-63-0 propan-2-ol

Schwere Augenschädigung/-reizung (rabbit) (Acute Eye Irritation/Corrosion)

Causes serious eye irritation.

. Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

. Additional toxicological information:

#### CAS: 67-63-0 propan-2-ol

NOAEL, maternal	400 mg/kg KG/day (rat)
NOAEL, parents	500 mg/kg KG/day (Two-Generation Reproduction Toxicity)
	853 mg/kg KG/day (rat) (One-Generation Reproduction Toxicity Study)

. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

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

. Reproductive toxicity

#### CAS: 67-63-0 propan-2-ol

Oral NOAEL, Parents 500 mg/kg (rat) (Two-Generation Reproduction Toxicity)

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

. STOT-single exposure May cause drowsiness or dizziness.

. STOT-repeated exposure

#### CAS: 67-63-0 propan-2-ol

STOT RE mg/kg/day (rat)

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

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. Aspiration hazard

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

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### SECTION 12: Ecological information

#### . 12.1 Toxicity

. Aquatic toxicity:

##### CAS: 67-63-0 propan-2-ol

EC50	> 100 mg/l (Bacteria)
EC50 (48h)	> 100 mg/l (daphnia magna/gr. Wasserfloh)
EC50 (72h)	> 100 mg/l (Scenedesmus subspicatus)
EC50 (96h)	> 1,000 mg/l (Scenedesmus subspicatus) (Freshwater Alga and Cyanobacteria, Growth Inhibiti)
LC50 (24h)	9,714 mg/l (daphnia magna/gr. Wasserfloh) (Daphnia sp. Acute Immobilisation Test)
	9,640 mg/l (Pimephales promelas (fettköpf. Ellritze)) (Fish, Acute Toxicity Test)
LC50 (48h)	> 100 mg/l (Leuciscus idus (Goldorfe))
LC50 (96h)	> 9,640 – 10,000 mg/l (Pimephales promelas (fettköpf. Ellritze)) (Fish, Acute Toxicity Test)
LOEC (8d)	1,000 mg/l (Algae)
EC50 (3h)	> 1,000 mg/l (activated sludge) (Mikroorganismen/Wirkung auf Belebtschlamm)
NOEC (21d)	30 mg/l (daphnia magna/gr. Wasserfloh) (Daphnia magna Reproduction Test)
NOEC (96h)	1,000 mg/l (Scenedesmus subspicatus) (Freshwater Alga and Cyanobacteria, Growth Inhibiti)

#### . 12.2 Persistence and degradability

##### CAS: 67-63-0 propan-2-ol

Biodegradability 30d | 70 – 84 % (aerob) ((Derterm. of the "Ready" Biodegr. Closed Bottle))

#### . 12.3 Bioaccumulative potential

##### CAS: 67-63-0 propan-2-ol

Log Pow | 0.05

#### . 12.4 Mobility in soil

No further relevant information available.

. Additional ecological information:

. General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### . 12.5 Results of PBT and vPvB assessment

. PBT:

Not applicable.

. vPvB:

Not applicable.

#### . 12.6 Other adverse effects

No further relevant information available.

### SECTION 13: Disposal considerations

#### . 13.1 Waste treatment methods

. European waste catalogue

HP3 | Flammable

HP4 | Irritant - skin irritation and eye damage

HP5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

. Uncleaned packaging:

. Recommendation:

Non contaminated packagings may be treated like household garbage.

### SECTION 14: Transport information

#### . 14.1 UN-Number

. ADR, IMDG, IATA

UN1993

#### . 14.2 UN proper shipping name

. ADR

1993 FLAMMABLE LIQUID, N.O.S. (propan-2-ol)

. IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (propan-2-ol)

#### . 14.3 Transport hazard class(es)

. ADR



. Class

3 (F1) Flammable liquids.

. Label

3

. IMDG, IATA



. Class

3 Flammable liquids.

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. Label	3
. <b>14.4 Packing group</b> . ADR, IMDG, IATA	II
. <b>14.5 Environmental hazards:</b>	Not applicable.
. <b>14.6 Special precautions for user</b> . Hazard identification number (Kemler code): . EMS Number: . Stowage Category	Warning: Flammable liquids. 33 F-E, <u>S-E</u> B
. <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
. Transport/Additional information:	
. ADR . Limited quantities (LQ) . Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
. Transport category . Tunnel restriction code	2 D/E
. IMDG . Limited quantities (LQ) . Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
. UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL), 3, II

### SECTION 15: Regulatory information

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

- . Directive 2012/18/EU
- . Named dangerous substances - ANNEX I  
None of the ingredients is listed.
- . Seveso category  
P5c FLAMMABLE LIQUIDS
- . Qualifying quantity (tonnes) for the application of lower-tier requirements  
5,000 t
- . Qualifying quantity (tonnes) for the application of upper-tier requirements  
50,000 t
- . REGULATION (EC) No 1907/2006 ANNEX XVII  
Conditions of restriction: 3

. DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II  
None of the ingredients is listed.

- . **15.2 Chemical safety assessment:**  
A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Department issuing SDS: Environment protection department.
- . Abbreviations and acronyms:
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - DNEL: Derived No-Effect Level (REACH)
  - PNEC: Predicted No-Effect Concentration (REACH)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 2: Flammable liquids – Category 2
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3