

Safety data sheet according to UK REACH

Printing date 14.05.2025

Version number 1

Revision: 14.05.2025

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

1.1 Product identifier

Trade name: **ATTBLIME ABP PRO**

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: Marking spray

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Manufacturer
 Graichen Produktions- und VertriebsGmbH
 Darmstädter Str. 127
 D-64625 Bensheim
 Tel.: +49(0)6251/73103
 Fax: +49(0)6251/77901
 e-mail: ehs@graichen-bensheim.de
 homepage: http://www.graichen.de

Further information obtainable from:

Product Safety Department D.Sowietzki

1.4 Emergency telephone number:

Graichen: During business hours :+49(0)6251 7707880
 Graichen: Outside business hours:+49(0)172 7478476
 Advice centre for poisoning in Mainz Tel: +49(0)6131/19240 Poison information:+49(0) 700/GIFTINFO
 Members of the public seeking specific information on poisons should contact:
 In England and Wales: NHS 111 - dial 111
 In Scotland: NHS 24 - dial 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
 Aerosol 3 H229 Pressurised container: May burst if heated.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the GB CLP regulation.
 Hazard pictograms: Void
 Signal word: Warning
 Hazard statements: H229 Pressurised container: May burst if heated.
 Precautionary statements: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P251 Do not pierce or burn, even after use.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 Additional information: 5 % by mass of the contents are flammable

2.3 Other hazards

Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Active substance with propellant

Dangerous components:

CAS: 29118-24-9 (E)-1,3,3,3-tetrafluoroprop-1-ene	⚠ Press. Gas (Comp.), H280	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: Wash off with soap and water and rinse well.
 After eye contact: Rinse opened eye for several minutes under running water.
 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.

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SECTION 5: Firefighting measures

- . **5.1 Extinguishing media**
- . Suitable extinguishing agents: CO₂, 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**
- . Keep away from ignition sources.
- . **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 liquid components with liquid-binding material.
- . **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: Do not spray onto a naked flame or any incandescent material.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . Requirements to be met by storerooms and receptacles: Observe official regulations on storing packagings with pressurised containers.
- . Information about storage in one common storage facility: Store away from foodstuffs.
- . Further information about storage conditions: None.
- . **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- . **8.1 Control parameters**
- . Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- . Additional information: The lists valid during the making were used as basis.
- . **8.2 Exposure controls**
- . Appropriate engineering controls: No further data; see section 7.
- . Individual protection measures, such as personal protective equipment
- . General protective and hygienic measures: Wash hands before breaks and at the end of work.
- . Respiratory protection: Not required.
- . Hand protection: 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/face protection: Not required.

SECTION 9: Physical and chemical properties

- . **9.1 Information on basic physical and chemical properties**
- . General Information
- . Physical state: Aerosol
- . Colour: White
- . Odour: Odourless
- . Odour threshold: Not determined.
- . Boiling point or initial boiling point and boiling range: 188 – 189 °C (CAS: 100-79-8 2,2-dimethyl-1,3-dioxolan-4-ylmethanol)

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. Flammability	Not applicable.
. Flash point:	100 °C (CAS: 100-79-8 2,2-dimethyl-1,3-dioxolan-4-ylmethanol)
. Decomposition temperature:	Not determined.
. pH at 20 °C	7
. Viscosity:	
. Kinematic viscosity	Not applicable.
. Dynamic:	Not determined.
	Not applicable.
. Solubility	
. water:	Fully miscible.
. Partition coefficient n-octanol/water (log value)	Not determined.
. Vapour pressure at 20 °C:	23 hPa
. Vapour pressure at 50 °C:	> 1,100 hPa
. Density and/or relative density	
. Density at 20 °C:	1 g/cm ³
. Relative density	Not determined.
. Vapour density	Not determined.

9.2 Other information

. Appearance:	
. Form:	Aerosol
. Important information on protection of health and environment, and on safety.	
. Ignition temperature:	Product is not selfigniting.
. Explosive properties:	Not determined.
. VOC (EU) (%)	
. Solids content:	100.0 %
. Change in condition	
. Evaporation rate	Not applicable.

. Information with regard to physical hazard classes	
. Explosives	Void
. Flammable gases	Void
. Aerosols	Void
. Oxidising gases	Void
. Gases under pressure	Void
. Flammable liquids	Void
. Flammable solids	Void
. Self-reactive substances and mixtures	Void
. Pyrophoric liquids	Void
. Pyrophoric solids	Void
. Self-heating substances and mixtures	Void
. Substances and mixtures, which emit flammable gases in contact with water	Void
. Oxidising liquids	Void
. Oxidising solids	Void
. Organic peroxides	Void
. Corrosive to metals	Void
. Desensitised explosives	Void

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 hazard classes as defined in Regulation (EC) No 1272/2008	
. Acute toxicity	Based on available data, the classification criteria are not met.
. Primary irritant effect:	
. Skin corrosion/irritation	Based on available data, the classification criteria are not met.
. Serious eye damage/irritation	Based on available data, the classification criteria are not met.
. Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
. 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	Based on available data, the classification criteria are not met.
. STOT-single exposure	Based on available data, the classification criteria are not met.
. STOT-repeated exposure	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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. 11.2 Information on other hazards

. Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information**. 12.1 Toxicity**

. Aquatic toxicity: No further relevant information available.

. 12.2 Persistence and degradability

No further relevant information available.

. 12.3 Bioaccumulative potential

No further relevant information available.

. 12.4 Mobility in soil

No further relevant information available.

. 12.5 Results of PBT and vPvB assessment

. PBT: Not applicable.

. vPvB: Not applicable.

. 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

. 12.7 Other adverse effects

. 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.

SECTION 13: Disposal considerations**. 13.1 Waste treatment methods**

. Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

. Uncleaned packaging:

. Recommendation: Disposal must be made according to official regulations.

. Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information**. 14.1 UN number or ID number**

. ADR, IMDG, IATA UN1950

. 14.2 UN proper shipping name. ADR 1950 AEROSOLS
. IMDG AEROSOLS
. IATA AEROSOLS, non-flammable**. 14.3 Transport hazard class(es)**

. ADR

. Class 2.5A Gases.
. Label 2.2

. IMDG, IATA

. Class 2.2 Gases.
. Label 2.2**. 14.4 Packing group**

. ADR, IMDG, IATA Void

. 14.5 Environmental hazards: Not applicable.

. 14.6 Special precautions for user

. Warning: Gases.

. Hazard identification number (Kemler code): -

. EMS Number: F-D,S-U

. Stowage Code SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A.

For AEROSOLS with a capacity above 1 litre: Category B. For WASTE

AEROSOLS: Category C, Clear of living quarters.

. Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for

division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

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	For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
. 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
. Transport/Additional information:	
. ADR	1L
. Limited quantities (LQ)	Code: E0
. Excepted quantities (EQ)	Not permitted as Excepted Quantity
. Transport category	3
. Tunnel restriction code	E
. IMDG	1L
. Limited quantities (LQ)	Code: E0
. Excepted quantities (EQ)	Not permitted as Excepted Quantity
. UN "Model Regulation":	UN 1950 AEROSOLS, 2.2

SECTION 15: Regulatory information

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

. Poisons Act

. Regulated explosives precursors

None of the ingredients is listed.

. Regulated poisons

None of the ingredients is listed.

. Reportable explosives precursors

None of the ingredients is listed.

. Reportable poisons

None of the ingredients is listed.

. Directive 2012/18/EU

. Named dangerous substances - ANNEX I

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Aerosol 3: Aerosols – Category 3

Press. Gas (Comp.): Gases under pressure – Compressed gas