

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.01.2023

Version number 1

Revision: 13.01.2023

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

1.1 Product identifier

Trade name: **ATTBLIME ABX-G**

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 Aerosol
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

Further information obtainable from: Product Safety Department

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
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Eye Irrit. 2 H319 Causes serious eye irritation.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

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

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



GHS02 GHS07

Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P243 Take action to prevent static discharges.
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+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.

(Contd. on page 2)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2023

Version number 1

Revision: 13.01.2023

Trade name: ATTBLIME ABX-G

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6	ethanol	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	25 – 50%
CAS: 287-92-3 EINECS: 206-016-6	cyclopentane	⚠ Flam. Liq. 2, H225; Aquatic Chronic 3, H412	25 – 50%

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.
- 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: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Full jet water

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.
Prevent seepage into sewage system, workpits and cellars.
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

- Information about fire - and explosion protection: No special precautions are necessary if used correctly.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.
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

Ingredients with limit values that require monitoring at the workplace:

CAS: 64-17-5 ethanol

WEL Long-term value: 1920 mg/m³, 1000 ppm

(Contd. on page 3)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2023

Version number 1

Revision: 13.01.2023

Trade name: ATTBLIME ABX-G

(Contd. of page 2)

. DNELs

CAS: 64-17-5 ethanol

Oral	DNEL Long-term - systemic effects	87 mg/kg bw/day (general (Allgemeinbevölkerung))
Dermal	DNEL Long-term - systemic effects	206 mg/kg bw/day (general (Allgemeinbevölkerung))
		343 mg/kg bw/day (Workers (Arbeitnehmer))
Inhalative	DNEL Acute - local effects	950 mg/m ³ (general (Allgemeinbevölkerung))
		1,900 mg/m ³ (Workers (Arbeitnehmer))
	DNEL Long-term - systemic effects	114 mg/m ³ (general (Allgemeinbevölkerung))
		950 mg/m ³ (Workers (Arbeitnehmer))

. PNECs

CAS: 64-17-5 ethanol

PNEC Soil (Boden)	0.63 mg/kg
PNEC fresh water sediment (Süßwassersediment)	3.6 mg/kg
PNEC fresh water (Süßwasser)	0.96 mg/l
PNEC marine water sediment	2.9 mg/kg
PNEC Marine water	0.79 mg/l
PNEC-STP	580 mg/l

. Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

- . Appropriate engineering controls No further data; see item 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:

Use suitable respiratory protective device in case of insufficient ventilation.

- . 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

Tightly sealed goggles

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

. General Information	
. Physical state	Fluid
. Colour:	Colourless
. Odour:	Characteristic
. Odour threshold:	Not determined.
. Boiling point or initial boiling point and boiling range	49.5 °C (CAS: 287-92-3 cyclopentane)
. Flammability	Highly flammable.
. Lower and upper explosion limit	
. Lower:	3.5 Vol % (CAS: 64-17-5 ethanol)
. Upper:	15 Vol % (CAS: 64-17-5 ethanol)
. Flash point:	-20 °C (CAS: 287-92-3 cyclopentane)
. Ignition temperature:	363 °C (CAS: 64-17-5 ethanol)
. Decomposition temperature:	Not determined.
. pH	Not determined.
. Viscosity:	
. Dynamic:	Not determined.
. Solubility	
. water:	Not miscible or difficult to mix.
. Partition coefficient n-octanol/water (log value)	Not determined.
. Vapour pressure at 20 °C:	530 hPa (CAS: 287-92-3 cyclopentane)
. Density and/or relative density	
. Density at 20 °C:	0.7815 g/cm ³
. Relative density	Not determined.
. Vapour density	Not determined.

9.2 Other information

- . Appearance:
- . Form: Liquid

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2023

Version number 1

Revision: 13.01.2023

Trade name: ATTBLIME ABX-G

(Contd. of page 3)

. Important information on protection of health and environment, and on safety.	
. Auto-ignition temperature:	Product is not selfigniting.
. Explosive properties:	Not determined.
. Solvent content:	
. Organic solvents:	88.5 %
. VOC (EU) (%)	
. Solids content:	11.5 %
. Change in condition	
. Evaporation rate	Not determined.
. Information with regard to physical hazard classes	
. Explosives	Void
. Flammable gases	Void
. Aerosols	Void
. Oxidising gases	Void
. Gases under pressure	Void
. Flammable liquids	Highly flammable liquid and vapour.
. 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.
. Serious eye damage/irritation	Causes serious eye irritation.
. 11.2 Information on other hazards	
. Endocrine disrupting properties	
None of the ingredients is listed.	

SECTION 12: Ecological information

. 12.1 Toxicity	
. Aquatic toxicity:	
CAS: 64-17-5 ethanol	
EC50	5,800 mg/l (Paramecium caudatum)
EC50 (24h)	858 mg/l (Artemia salina)
EC50 (7d)	> 5,000 mg/l (Algae) (Freshwater Alga and Cyanobacteria, Growth Inhibiti)
EC50 (48h)	9,268 – 14,221 mg/l (daphnia magna/gr. Wasserfloh) (Daphnia sp. Acute Immobilisation Test)
EC50 (72h)	275 mg/l (Chlorella vulgaris) (Freshwater Alga and Cyanobacteria, Growth Inhibiti)
LC50 (24h)	11,200 mg/l (Salmo gairdneri)
LC50 (48h)	5,012 mg/l (Ceriodaphnia dubia (Wasserfloh))
LC50 (96h)	13,000 mg/l (Oncorhynchus mykiss) (Fish, Acute Toxicity Test)
	14,200 mg/l (Pimephales promelas (fettköpf. Ellritze))
NOEC (10d)	2 mg/l (Daphnie)

(Contd. on page 5)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2023

Version number 1

Revision: 13.01.2023

Trade name: ATTBLIME ABX-G

(Contd. of page 4)

12.2 Persistence and degradability**CAS: 64-17-5 ethanol**

Biodegradability 80 – 85 % (aerob) (Biodegradability)

Biodegradability 28d 97 % (Ready Biodegradability)

12.3 Bioaccumulative potential**CAS: 64-17-5 ethanol**Log Pow
Log Kow
BCF 0.66**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

Ecotoxicological effects:

CAS: 64-17-5 ethanol

EC10 (72h) 11.5 mg/l (Paramecium caudatum) (Freshwater Alga and Cyanobacteria, Growth Inhibiti)

Remark: Harmful to fish

Additional ecological information:

General notes: Harmful to aquatic organisms
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**

European waste catalogue

HP3 Flammable

HP4 Irritant - skin irritation and eye damage

HP14 Ecotoxic

Uncleaned packaging:

Recommendation: Non contaminated packagings may be treated like household garbage.

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

ADR, IMDG, IATA UN1993

14.2 UN proper shipping nameADR 1993 FLAMMABLE LIQUID, N.O.S. (CYCLOPENTANE, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION))
IMDG FLAMMABLE LIQUID, N.O.S. (CYCLOPENTANE, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION))
IATA FLAMMABLE LIQUID, N.O.S. (CYCLOPENTANE, ETHANOL SOLUTION)**14.3 Transport hazard class(es)**

ADR



Class 3 (F1) Flammable liquids.

Label 3

IMDG, IATA



Class 3 Flammable liquids.

Label 3

14.4 Packing group

ADR, IMDG, IATA II

14.5 Environmental hazards: Not applicable.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2023

Version number 1

Revision: 13.01.2023

Trade name: ATTBLIME ABX-G

(Contd. of page 5)

14.6 Special precautions for user		Warning: Flammable liquids.
. Hazard identification number (Kemler code):	33	
. EMS Number:	F-E,S-E	
. Stowage Category	B	
14.7 Maritime transport in bulk according to IMO instruments		Not applicable.
. Transport/Additional information:		
. ADR		1L
. Limited quantities (LQ)	Code: E2	
. Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml	
	Maximum net quantity per outer packaging: 500 ml	
. Transport category	2	
. Tunnel restriction code	D/E	
. IMDG		1L
. Limited quantities (LQ)	Code: E2	
. Excepted quantities (EQ)	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. (CYCLOPENTANE, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)), 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	
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 (UK REACH) PNEC: Predicted No-Effect Concentration (UK REACH) 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 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

. * Data compared to the previous version altered.