Safety Data Sheet acc. to OSHA HCS

Reviewed on 01/13/2023

Identification	
Product identifier	
Trade name: Application of the substance / the	ATTBLIME - AB6
mixture	Flatting agent, Matting agent
Details of the supplier of the sat Manufacturer/Supplier:	fety data sheet Graichen Produktions- und Vertiebs-GmbH Darmstädter Str. 127 - 129 D-64625 Bensheim Tel.: +49(0)6251/73103 Fax: +49(0)6251/77901 e-mail:info@graichen-bensheim.de homepage:http//www.graichen.net
Information department:	Product Safety Department
Emergency telephone number:	Emergency medical information for poisoning: Poison Information Center Mainz - 24h Tel.: +49 (0) 6131 19240 USA / CAN : 800-424-9300 (available 24 hrs) Advice center for poisoning in Mainz Tel: +49(0)6131/19240 Poison information:+49(0) GIFTINFO
Hazard(s) identification	
Classification of the substance	or mixture
Flammable Aerosols 1	H222 Extremely flammable aerosol.
Gases under Pressure - Compress	sed gas H280 Contains gas under pressure; may explode if heated.
Eye Irritation 2A	H319 Causes serious eye irritation.
	ingle Exposure 3 H336 May cause drowsiness or dizziness.
Label elements GHS label elements Hazard pictograms	The product is classified and labeled according to the Globally Harmonized System (G
	GHS02 GHS04 GHS07
Signal word	Danger
Hazard-determining components of	
labeling: Hazard statements	propan-2-ol Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness.
Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection / face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container in accordance with local/regional/national/international regulations.
Information pertaining to partice NFPA ratings (scale 0 - 4)	ular dangers for man and environment: Health = 2 Fire = 4 Reactivity = 0
HMIS-ratings (scale 0 - 4)	HEALTH2Health=FIRE4Fire =4REACTIVITY3Reactivity =
Other hazards	nent

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#### Trade name: ATTBLIME - AB6

(Contd. of page 1) . vPvB: Not applicable. **3 Composition/information on ingredients Chemical characterization: Mixtures** Description: Active substance with propellant . Dangerous components: CAS: 106-97-8 butane (containing  $\leq 0,1$  % butadiene (106-99-0)) 25 - 50% 🗞 Flammable Gases 1, H220; 🔗 Gases under Pressure - Compressed gas, H280 CAS: 74-98-6 10 - 25% propane 🗞 Flammable Gases 1, H220; 🔗 Gases under Pressure - Compressed gas, H280 CAS: 67-63-0 propan-2-ol 10 - 25%Flammable Liquids 2, H225; 🚸 Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336 CAS: 287-92-3 cyclopentane 2.5 - 10%Flammable Liquids 2, H225; Aquatic Chronic 3, H412 CAS: 291-64-5 2.5 - 10%cycloheptane Flammable Liquids 2, H225 isobutane (containing ≤ 0,1 % butadiene (106-99-0)) ♦ Flammable Gases 1, H220; ♦ Gases under Pressure - Compressed gas, H280 CAS: 75-28-5 < 2.5% For the wording of the listed hazard phrases refer to section 16. . Additional information: **4 First-aid measures** . Description of first aid measures . After inhalation: Supply fresh air; consult doctor in case of complaints. After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing: Seek immediate medical advice. Information for doctor: Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available. **5** Fire-fighting measures . Extinguishing media . Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. CO2, sand, extinguishing powder. Do not use water. . For safety reasons unsuitable extinguishing agents: Water Special hazards arising from the substance or mixture No further relevant information available. Advice for firefighters . Protective equipment: Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. 6 Accidental release measures Personal precautions, protective equipment and emergency Use respiratory protective device against the effects of fumes/dust/aerosol. procedures Ensure adequate ventilation Keep away from ignition sources . Environmental precautions: Keep contaminated washing water and dispose of appropriately. 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. Methods and material for Ensure adequate ventilation. containment and cleaning up: Do not flush with water or aqueous cleansing agents Reference to other sections See Section 8 for information on personal protection equipment. See Section 13 for disposal information. **Protective Action Criteria for Chemicals** PAC-1: CAS: 106-97-8 butane (containing  $\leq 0,1$  % butadiene (106-99-0)) 5500\* ppm CAS: 74-98-6 5500\* ppm propane CAS: 67-63-0 propan-2-ol 400 ppm CAS: 287-92-3 cyclopentane 1800\* ppm 5500\* ppm (Contd. on page CAS: 75-28-5 isobutane (containing  $\leq$  0,1 % butadiene (106-99-0))

US

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#### Trade name: ATTBLIME - AB6

CAS: 74-84-0 ethane		<u>(Contd. of pa</u> 65000*** pp
PAC-2:		
CAS: 106-97-8 butane (containing	a < 0.1 % butadiene (106-99-0))	17000** ppm
CAS: 74-98-6 propane		17000** ppm
CAS: 67-63-0 propan-2-ol		2000* ppm
CAS: 287-92-3 cyclopentane		3800* ppm
	ning $\leq$ 0,1 % butadiene (106-99-0))	17000** ppm
CAS: 74-84-0 ethane	$\operatorname{sing} \leq 0, 1$ /0 butadiene (100-33-0))	230000*** pp
PAC-3:		230000 pp
		LE0000***
CAS: 106-97-8 butane (containing	$J \le 0,1\%$ butadiene (106-99-0))	53000*** ppn
CAS: 74-98-6 propane		33000*** ppn
CAS: 67-63-0 propan-2-ol		12000** ppm
CAS: 287-92-3 cyclopentane		23000*** ppn
	hing $\leq$ 0,1 % butadiene (106-99-0))	53000*** ppn
CAS: 74-84-0 ethane		400000*** pp
Handling and storage		
Handling:		
Precautions for safe handling	Open and handle receptacle with care.	
Information about protection against explosions and fires:	Koon ignition sources away. Do not emplo	
against explosions and mes.	Keep ignition sources away - Do not smoke. Protect against electrostatic charges.	
	Pressurized container: protect from sunlight and do not expose to	o temperatures exceedi
	50°C, i.e. electric lights. Do not pierce or burn, even after use.	
	Do not spray on a naked flame or any incandescent material.	
Conditions for safe storage, inc	luding any incompatibilities	
Requirements to be met by		
storerooms and receptacles:	Store in a cool location. Observe official regulations on storing packagings with pressurize	ad containers
Information about storage in one		eu containers.
common storage facility:	Store away from oxidizing agents.	
Further information about storage		
conditions:	Keep receptacle tightly sealed.	
	Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.	
Specific end use(s)	No further relevant information available.	
Exposure controls/personal	protection	
Additional information about		
design of technical systems:	No further data; see item 7.	
Control parameters		
Components with limit values that		
require monitoring at the		
	The following constituents are the only constituents of the produc	t which have a PEL, TL
	or other recommended exposure limit.	
workplace:	or other recommended exposure limit. At this time, the remaining constituent has no known exposure lir	
workplace: CAS: 106-97-8 butane (containir	or other recommended exposure limit. At this time, the remaining constituent has no known exposure lir ng ≤ 0,1 % butadiene (106-99-0))	
workplace: CAS: 106-97-8 butane (containir REL Long-term value: 1900 mg/m	or other recommended exposure limit. At this time, the remaining constituent has no known exposure lir ng ≤ 0,1 % butadiene (106-99-0))	
<b>CAS: 106-97-8 butane (containir</b> REL Long-term value: 1900 mg/m	or other recommended exposure limit. At this time, the remaining constituent has no known exposure lir ng ≤ 0,1 % butadiene (106-99-0))	
workplace: <b>CAS: 106-97-8 butane (containir</b> REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX)	or other recommended exposure limit. At this time, the remaining constituent has no known exposure lir ng ≤ 0,1 % butadiene (106-99-0))	
workplace: CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane	or other recommended exposure limit. At this time, the remaining constituent has no known exposure lin ng ≤ 0,1 % butadiene (106-99-0)) <sup>3</sup> , 800 ppm	
workplace: CAS: 106-97-8 butane (containir REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit ng ≤ 0,1 % butadiene (106-99-0)) n <sup>3</sup> , 800 ppm	
workplace: CAS: 106-97-8 butane (containir REL Long-term value: 1900 mg/m TLV Short-term value: 1900 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit ng ≤ 0,1 % butadiene (106-99-0)) 1 <sup>3</sup> , 800 ppm 1 <sup>3</sup> , 1000 ppm 1 <sup>3</sup> , 1000 ppm	
workplace: CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m TLV see Appendix F Minimal oxy	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit ng ≤ 0,1 % butadiene (106-99-0)) 1 <sup>3</sup> , 800 ppm 1 <sup>3</sup> , 1000 ppm 1 <sup>3</sup> , 1000 ppm	
workplace: CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m TLV see Appendix F Minimal oxy CAS: 67-63-0 propan-2-ol	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit $ng \le 0,1 \%$ butadiene (106-99-0)) $n^3, 800 \text{ ppm}$ $n^3, 1000 \text{ ppm}$ gen content ( D, EX)	
workplace: CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m TLV see Appendix F Minimal oxy CAS: 67-63-0 propan-2-ol PEL Long-term value: 980 mg/m <sup>3</sup>	or other recommended exposure limit. At this time, the remaining constituent has no known exposure line <b>ng ≤ 0,1 % butadiene (106-99-0))</b> n <sup>3</sup> , 800 ppm n <sup>3</sup> , 1000 ppm gen content ( D, EX) , 400 ppm	
workplace:         CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m         TLV       Short-term value: 1900 ppm (EX)         CAS: 74-98-6 propane         PEL       Long-term value: 1800 mg/m         REL       Long-term value: 1800 mg/m         TLV       see Appendix F Minimal oxy         CAS: 67-63-0 propan-2-ol       PEL         PEL       Long-term value: 980 mg/m³         REL       Short-term value: 1225 mg/m	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit <b>ng ≤ 0,1 % butadiene (106-99-0))</b> n <sup>3</sup> , 800 ppm n <sup>3</sup> , 1000 ppm gen content ( D, EX) , 400 ppm n <sup>3</sup> , 500 ppm	
workplace: CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m TLV see Appendix F Minimal oxy CAS: 67-63-0 propan-2-ol PEL Long-term value: 980 mg/m <sup>3</sup> REL Short-term value: 1225 mg/m Long-term value: 980 mg/m <sup>3</sup>	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit <b>ng ≤ 0,1 % butadiene (106-99-0))</b> n <sup>3</sup> , 800 ppm n <sup>3</sup> , 1000 ppm gen content ( D, EX) , 400 ppm n <sup>3</sup> , 500 ppm	
workplace: CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m TLV see Appendix F Minimal oxy CAS: 67-63-0 propan-2-ol PEL Long-term value: 980 mg/m <sup>3</sup> REL Short-term value: 1225 mg/m Long-term value: 980 mg/m <sup>3</sup> TLV Short-term value: 400 ppm	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit <b>ng ≤ 0,1 % butadiene (106-99-0))</b> n <sup>3</sup> , 800 ppm n <sup>3</sup> , 1000 ppm gen content ( D, EX) , 400 ppm n <sup>3</sup> , 500 ppm	
workplace: CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX) CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m TLV see Appendix F Minimal oxy CAS: 67-63-0 propan-2-ol PEL Long-term value: 980 mg/m <sup>3</sup> REL Short-term value: 1225 mg/m Long-term value: 980 mg/m <sup>3</sup>	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit <b>ng ≤ 0,1 % butadiene (106-99-0))</b> n <sup>3</sup> , 800 ppm n <sup>3</sup> , 1000 ppm gen content ( D, EX) , 400 ppm n <sup>3</sup> , 500 ppm	
workplace:         CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m TLV Short-term value: 1000 ppm (EX)         CAS: 74-98-6 propane         PEL Long-term value: 1800 mg/m REL Long-term value: 1800 mg/m TLV see Appendix F Minimal oxy         CAS: 67-63-0 propan-2-ol         PEL Long-term value: 980 mg/m REL Long-term value: 980 mg/m REL Short-term value: 1225 mg/m Long-term value: 980 mg/m Cong-term value: 400 ppm Long-term value: 200 ppm	or other recommended exposure limit. At this time, the remaining constituent has no known exposure limit <b>ng ≤ 0,1 % butadiene (106-99-0))</b> n <sup>3</sup> , 800 ppm n <sup>3</sup> , 1000 ppm gen content ( D, EX) , 400 ppm n <sup>3</sup> , 500 ppm	
workplace:         CAS: 106-97-8 butane (containing REL Long-term value: 1900 mg/m         TLV       Short-term value: 1900 ppm (EX)         CAS: 74-98-6 propane         PEL       Long-term value: 1800 mg/m         REL       Long-term value: 1800 mg/m         TLV       see Appendix F Minimal oxy         CAS: 67-63-0 propan-2-ol         PEL       Long-term value: 980 mg/m³         REL       Short-term value: 1225 mg/n Long-term value: 980 mg/m³         TLV       Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4	or other recommended exposure limit. At this time, the remaining constituent has no known exposure line $ng \le 0,1 \%$ butadiene (106-99-0)) $n^3, 800 \text{ ppm}$ $n^3, 1000 \text{ ppm}$ gen content ( D, EX) $n^3, 500 \text{ ppm}$ $n^3, 500 \text{ ppm}$ $n^4, 400 \text{ ppm}$	

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Trade name: ATTBLIME - AB6	
	(Contd. of page 3)
TLV Long-term value: 1000 ppm EX	
	ing ≤ 0,1 % butadiene (106-99-0))
TLV Short-term value: 1000 ppm (EX)	
. Ingredients with biological limit value	les:
CAS: 67-63-0 propan-2-ol	
BEI 40 mg/L Medium: urine Time: end of shift at end of wo Parameter: Acetone (backgro	
. Additional information:	The lists that were valid during the creation were used as basis.
<ul> <li>Exposure controls</li> <li>Personal protective equipment:</li> <li>General protective and hygienic measures:</li> <li>Breathing equipment:</li> <li>Protection of hands:</li> </ul>	Wash hands before breaks and at the end of work. Use suitable respiratory protective device in case of insufficient ventilation. 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	Value for the permeation: Level $\leq$ 0,7 mm 480min (8h) EN374 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
. Eye protection: . Body protection:	Tightly sealed goggles Protective work clothing
9 Physical and chemical prope	
General Information	• •

o i nyoloal ana ononioal proportioo
Information on basic physical and cher
General Information

Appearance:	Assessed
Form: Color:	Aerosol White
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value at 20 °C (68 °F):	6.75
Change in condition Boiling point/Boiling range:	-44.5 °C (-48.1 °F)
Flash point:	-97 °C (-142.6 °F)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	230 °C (446 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Explosion limits:	
Lower:	1.5 Vol %
Upper:	12 Vol %
Vapor pressure at 20 °C (68 °F):	8,300 hPa (6.200 mm Hg)
Density at 20 °C (68 °F):	0.672 g/cm³ (5.6078 lbs/gal)
Relative density	Not determined.
Vapor density Evaporation rate	Not determined.
	Not applicable.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water	r): Not determined.

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#### Trade name: ATTBLIME - AB6

		(Contd. of page 4
. Viscosity: Dynamic:	Not determined.	
. Solvent content: Organic solvents: VOC content: VOC (EU) (%)	86.6 % 87.93 % 88.0 %	
Solids content:	13.4 %	
. Other information	No further relevant information available.	

#### **10 Stability and reactivity** . Reactivity

#### No further relevant information available.

Chemical stability Thermal decomposition / conditions to be avoided:

- No decomposition if used according to specifications. Possibility of hazardous
  - No dangerous reactions known.
    - No further relevant information available. No further relevant information available.
- . Incompatible materials: Hazardous decomposition

reactions Conditions to avoid

products:

No dangerous decomposition products known.

### 11 Toxicological information

11 I oxicolog	cal information		
. Acute toxicit			
. LD/LC50 va	ues that are relevan	It for classification:	
CAS: 67-63	) propan-2-ol		
Oral L	050 5,840 mg/kg	g (rat) (Acute Oral Toxicity)	
Dermal L	050 12,870 mg/ł	/kg (rab) (Acute Dermal Toxicity)	
Inhalative L	250/4h 72.6 mg/l (ra	at)	
L	250/6h > 25 mg/l (ra	rat) (Acute Inhalation Toxicity)	
. Primary irrita	nt effect:		
. on the skin:			
	) propan-2-ol		
	ung auf die Haut (4	h) (rabbit) (Acute Dermal Irritation/Corrosion)	
. on the eye:		Irritating effect.	
	) propan-2-ol		
		zung (rabbit) (Acute Eye Irritation/Corrosion)	
. Sensitization		No sensitizing effects known.	
	cicological information	on:	
	) propan-2-ol		
	ernal 400 mg/kg K0		
NOAEL, par		G/day (Two-Generation Reproduction Toxicity)	
	853 mg/kg K0	G/day (rat) (One-Generation Reproduction Toxicity Study)	
. Carcinogeni	categories		
. IARC (Interr	ational Agency for R	Research on Cancer)	
CAS: 67-63-	) propan-2-ol		3
. NTP (Natior	al Toxicology Progra	am)	· · · · ·
	ngredients is listed.		
OSHA-Ca ((	ccupational Safety	& Health Administration)	
	ngredients is listed.		
. Reproductiv	•		
	propan-2-ol		
		kg (rat) (Two-Generation Reproduction Toxicity)	
	et organ toxicity - re		
	) propan-2-ol	pealeu exposule	
	g/kg/day (rat)		
STOLKE	ynyiday (lat)		(Contd. on page 6

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Trade name: ATTBLIME - AB6

	information	
. Toxicity		
. Aquatic toxic	itv:	
		g ≤ 0,1 % butadiene (106-99-0))
	7.71 mg/l (Algae)	
	27.98 mg/l (Fisch)	
CAS: 74-98-0		
	7.71 mg/l (Algae)	
	27.98 mg/l (Fisch)	
	0 propan-2-ol	
EC50	> 100 mg/l (Bacteria)	
		, magnia/gr. Wasserfloh)
	> 100 mg/l (Scenede	
		desmus subspicatus) (Freshwater Alga and Cyanobacteria, Growth Inhibiti)
LC50 (24n)		magnia/gr. Wasserfloh) (Daphnia sp. Acute Immobilisation Test)
		les promelas (fettköpf. Ellritze)) (Fish, Acute Toxicity Test)
		/l (Pimephales promelas (fettköpf. Ellritze)) (Fish, Acute Toxicity Test)
	1,000 mg/l (Algae)	
		ed sludge) (Mikroorganismen/Wirkung auf Belebtschlamm)
		gnia/gr. Wasserfloh) (Daphnia magna Reproduction Test)
		smus subspicatus) (Freshwater Alga and Cyanobacteria, Growth Inhibiti)
		ing ≤ 0,1 % butadiene (106-99-0))
	7.71 mg/l (Algae)	
LC50 (96h)	27.98 mg/l (Fisch)	
. Persistence	and degradability	
	0 propan-2-ol	
		erob) ((Derterm. of the "Ready" Biodegr. Closed Bottle))
•	environmental syste	
. Bioaccumula		
	0 propan-2-ol	
Log Pow 0.0		
. Mobility in so		No further relevant information available.
Additional a	11	
. Auuitional e	cological informatio	
. General note	cological informatio	<b>n:</b> Water hazard class 1 (Self-assessment): slightly hazardous for water
	cological informatio	n: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course
. General note	cological informatio s:	n: Water hazard class 1 (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.
. General note	cological informatio	<ul> <li>n: Water hazard class 1 (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.</li> <li>sment</li> </ul>
. General note	cological informatio s:	<ul> <li>n: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water cours or sewage system.</li> <li>sment Not applicable.</li> </ul>
. General note . <b>Results of P</b> . PBT:	cological informatio s: 'BT and vPvB assess	<ul> <li>n: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water cours or sewage system.</li> <li>sment</li> </ul>
. General note . <b>Results of P</b> . PBT: . vPvB:	cological informatio s: 'BT and vPvB assess	<ul> <li>n: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water cours or sewage system.</li> <li>sment Not applicable. Not applicable.</li> </ul>
. General note . Results of P . PBT: . vPvB: . Other adverse	cological informatio s: 'BT and vPvB assess	<ul> <li>n: Water hazard class 1 (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.</li> <li>sment Not applicable. Not applicable.</li> </ul>
. General note . Results of P . PBT: . vPvB: . Other advers 3 Disposal co	cological informatio <sup>IS:</sup> BT and vPvB assess se effects onsiderations	<ul> <li>n: Water hazard class 1 (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.</li> <li>sment Not applicable. Not applicable.</li> </ul>
. General note . Results of P . PBT: . vPvB: . Other advers 3 Disposal co . Waste treatm	cological informatio <sup>IS:</sup> BT and vPvB assess se effects onsiderations nent methods	n: Water hazard class 1 (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. sment Not applicable. Not applicable. No further relevant information available.
. General note . Results of P . PBT: . vPvB: . Other advers 3 Disposal co	cological informatio <sup>IS:</sup> BT and vPvB assess se effects onsiderations nent methods	<ul> <li>n: Water hazard class 1 (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.</li> <li>sment Not applicable. Not applicable.</li> </ul>
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. General note . Results of P . PBT: . vPvB: . Other advers 3 Disposal co . Waste treatn . Recommenda . Uncleaned p . Recommenda 4 Transport i . UN-Number . DOT, ADR, II . UN proper s . DOT	cological informatio PBT and vPvB assess se effects onsiderations nent methods ation: backagings: ation: mformation	n: Water hazard class 1 (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. sment Not applicable. No further relevant information available. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations. UN1950 Aerosols, flammable
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. General note . Results of P . PBT: . vPvB: . Other advers 3 Disposal co . Waste treatn . Recommenda . Uncleaned p . Recommenda 4 Transport i . UN-Number . DOT, ADR, II . UN proper s . DOT	cological informatio PBT and vPvB assess se effects onsiderations nent methods ation: backagings: ation: mformation	n: Water hazard class 1 (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. sment Not applicable. No further relevant information available. Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations. UN1950 Aerosols, flammable

(Contd. of page 5)

# Safety Data Sheet acc. to OSHA HCS

Reviewed on 01/13/2023

Trade name: ATTBLIME - AB6	
	(Contd. of page 6)
. Transport hazard class(es)	
. DOT	
. Class	2.1 Gases
. Label	2.1
ADR	
. Class	2 5F Gases
. Label	2.1
. IMDG, IATA	
. Class	2.1 Gases
. Label	2.1
. Packing group	
. DOT, ADR, IMDG, IATA	Void
. Environmental hazards:	Not applicable.
. 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
Our man and the model of the	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.
	For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
. Transport in bulk according to Annex II of MARPOL7 and the IBC Code	Not applicable.
. Transport/Additional information:	
+	
. ADR . Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
. IMDG	·
. Limited quantities (LQ)	1L
. Excepted quantities (ÉQ)	Code: E0
	Not permitted as Excepted Quantity
. UN "Model Regulation":	UN 1950 AEROSOLS, 2.1
15 Regulatory information	
. Safety, health and environmental	
regulations/legislation specific	
	information available.
. Sara	
. Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
. Section 313 (Specific toxic chemical listings):	
CAS: 67-63-0 propan-2-ol	
. TSCA (Toxic Substances Control Act):	
CAS: 106-97-8 butane (containing $< 0.1$ % butadiene (1	

CAS: 106-97-8 butane (containing  $\leq$  0,1 % butadiene (106-99-0)) CAS: 74-98-6 propane

(Contd. on page 8)

ACTIVE

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Printing date 01/13/2023

Safety Data Sheet acc. to OSHA HCS

Reviewed on 01/13/2023

#### Trade name: ATTBLIME - AB6

Trade frame: ATTBLINE - ABO		
		(Contd. of page 7)
CAS: 67-63-0 propan-2-ol		ACTIVE
CAS: 294-62-2 Cyclododecan		ACTIVE
CAS: 287-92-3 cyclopentane		ACTIVE
	ning $\leq$ 0,1 % butadiene (106-99-0))	ACTIVE
CAS: 74-84-0 ethane		ACTIVE
. Hazardous Air Pollutants		
None of the ingredients is listed.		
. Proposition 65		
. Chemicals known to cause cance	r:	
None of the ingredients is listed.		
. Chemicals known to cause reproc	luctive toxicity for females:	
None of the ingredients is listed.	······································	
. Chemicals known to cause reproc	luctive toxicity for males:	
None of the ingredients is listed.		
. Chemicals known to cause develo	pmental toxicity:	
None of the ingredients is listed.		
. Carcinogenic categories		
. EPA (Environmental Protection A	gency)	]
None of the ingredients is listed.		
. TLV (Threshold Limit Value)		
CAS: 67-63-0 propan-2-ol		A4
. MAK (German Maximum Workpla	co Concontration)	
None of the ingredients is listed.		
<b>`</b>		
NIOSH-Ca (National Institute for C	Decupational Safety and Health)	
None of the ingredients is listed.	The way double start if a double hole double with the Alex Alex Alexandrian to the start of the	
. GHS label elements . Hazard pictograms	The product is classified and labeled according to the Globally Harmonized	System (GHS).
. Hazaru pietograms	$\langle \psi \rangle \langle - \rangle \langle 1 \rangle$	
	$\forall \vee \vee$	
	GHS02 GHS04 GHS07	
. Signal word	Danger	
. Hazard-determining components	-	
labeling:	propan-2-ol	
. Hazard statements	Extremely flammable aerosol.	
	Contains gas under pressure; may explode if heated.	
	Causes serious eye irritation. May cause drowsiness or dizziness.	
. Precautionary statements	Keep away from heat/sparks/open flames/hot surfaces No smoking.	
	Do not spray on an open flame or other ignition source.	
	Pressurized container: Do not pierce or burn, even after use.	
	Avoid breathing dust/fume/gas/mist/vapors/spray	
	Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.	
	Wear eye protection / face protection.	
	IF INHALED: Remove person to fresh air and keep comfortable for breathing	<b>j</b> .
	If in eyes: Rinse cautiously with water for several minutes. Remove contact I	
	present and easy to do. Continue rinsing.	
	Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention.	
	Store in a well-ventilated place. Keep container tightly closed.	
	Store locked up.	
	Protect from sunlight. Store in a well-ventilated place.	
	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F	motional
	Dispose of contents/container in accordance with local/regional/national/inte regulations.	national
. Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.	
	- · · · · · · · · · · · · · · · · · · ·	
16 Other information		
This information is based on our p	present knowledge. However, this shall not constitute a guarantee for any speci	fic product
features and shall not establish a	legally valid contractual relationship.	·
. Department issuing SDS:	Environment protection department.	
Contact:		
. Date of preparation / last revision	01/13/2023	n Agrooment
. Abbreviations and acronyms:	ADR: Accord relatif au transport international des marchandises dangereuses par route (Europea Concerning the International Carriage of Dangerous Goods by Road)	n Agreement
	IMDG: International Maritime Code for Dangerous Goods	
	DOT: US Department of Transportation	(Contd. on page 9)

(Contd. on page 9)

Safety Data Sheet acc. to OSHA HCS

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Trade name: ATTBLIME - AB6		
	IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances	(Contd. of page 8)

	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)	
	NFPA: National Fire Protection Association (USA)	
	HMIS: Hazardous Materials Identification System (USA)	
	VOC: Volatile Organic Compounds (USA, ÉU)	
	LC50: Lethal concentration, 50 percent	
	LD50: Lethal dose, 50 percent	
	PBT: Persistent, Bioaccumulative and Toxic	
	vPvB: very Persistent and very Bioaccumulative	
	NIOSH: National Institute for Occupational Safety	
	OSHA: Occupational Safety & Health	
	TLV: Threshold Limit Value	
	PEL: Permissible Exposure Limit	
	REL: Recommended Exposure Limit	
	BEI: Biological Exposure Limit	
	Flammable Gases 1: Flammable gases – Category 1	
	Flammable Aerosols 1: Aerosols – Category 1	
	Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas	
	Flammable Liquids 2: Flammable liquids – Category 2	
	Eve Irritation 2A: Serious eve damage/eve irritation – Category 2A	
	Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3	
	Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	
* Data compared to the provinue	Aquale Onionic J. Hazardous to the aquate environment - long-term aquate hazard - Category J	
. * Data compared to the previous		
version altered.		
		- US -