

SKU: 78-7025

Product identifier		
Trade name:	ATTBLIME - AB2	
Article number:	5140-1265	
Application of the substance / the mixture	ne Flatting agent, Matting agent	
Details of the supplier of the safe		
Manufacturer/Supplier:	Romanoff International Supply Corp 9 Deforest Street Amityville, NY 11701 - USA	
	Tel.: +1 631-842-2400 e-mail: sales@romanoff.com website: http//www.romanoff.com	
EMERGENCY CONTACT: CHEMTEL (AC COLLECT CALLS ACCEP		
Hazard(s) identification		
Classification of the substan	ce or mixture	
Flammable Aerosols 1	H222 Extremely flammable aerosol.	
Gases under Pressure - Compr		
Eye Irritation 2A	H319 Causes serious eye irritation.	
Specific Target Organ Toxicity -	Single Exposure 3 H336 May cause drowsiness or dizziness.	
Label elements		
GHS label elements	The product is classified and labeled according to the Globally Harmonized System	(GH
Hazard pictograms		
	GHS02 GHS04 GHS07	
Signal word	Danger	
Hazard-determining component		
labeling:	propan-2-ol	
	Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cycloalkanes	
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.	
	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/internationaregulations.	al
Information pertaining to par	icular dangers for man and environment:	
NFPA ratings (scale 0 - 4)	Health = 2	
	Fire = 4 Reactivity = 0	
HMIS-ratings (scale 0 - 4)	$\begin{array}{c c} \text{HEALTH} & 2 \\ \hline \text{FIRE} & 4 \\ \hline \text{Fire} & 4 \\ \end{array}$	
	REACTIVITY 3 Reactivity = 3	
Other hazards		

Composition/information on ingredients Chemical characterization: Mixtures Description: Active substance with propellant Dangerous components: Control (Containing < 0, 1 % butadiene (106-99-0)) CAS: 106-97-8 butane (containing < 0, 1 % butadiene (106-99-0)) CAS: 67-63-0 propan-2-01 Propane Flammable Gases 1, H220; © Gases under Pressure - Compressed gas, H280 CAS: 74-96-6 propane Propane Flammable Gases 1, H220; © Gases under Pressure - Compressed gas, H280 CAS: 74-96-6 propane Verfacerbors, C7-69, pr.Akanes, Leoplike Exposure 3, H336; Aquatic Chronic 2, H401 CAS: 75-28-5 isobutane (containing < 0, 1 % butadiene (106-99-0)) CAS: 75-28-6 isobutane (containing < 0, 1 % butadiene (106-99-0)) CAS: 74-99-6 Frammable Gases 1, H220; © Gases under Pressure - Compressed gas, H280 Additional information: For the wording of the listed hazard phrases refer to section 16. First-field measures Supply fresh air; consult doctor in case of complaints. After seq contact: Wash with water and acidics soap. After seq uontact: Wash with water and acidics soap. Information of doctor: Seek immediate medical advice. <th>vPvB:</th> <th></th> <th>Not applicable.</th> <th>(Contd. of pag</th>	vPvB:		Not applicable.	(Contd. of pag
Chemical characterization: Mixtures Description: Active substance with propellant Dangerous components: 25. CAS: 106-97.8 butane (containing ≤ 0, 1 % butadiene (106-99-0)) 25. CAS: 47.498-6 propan-2-01 5. Flammable Gases 1, H220; S Gases under Pressure - Compressed gas, H280 10- Flammable Liquids 2, H225; S Explicit Target Organ Toxicity - Single 10- Flammable Liquids 2, H225; A spring in hazard 1, H304; Aquatic Acute 2, H401 21. CAS: 75-28-5 isobutane (containing 1, 0, 1 % butadiene (106-99-0)) 21. CAS: 75-28-5 isobutane (containing 1, 0, 1 % butadiene (106-99-0)) 23. Additional information: For the wording of the listed hazard phrases refer to section 16. 24. Fist-aid measures Supply fresh air: consult doctor in case of complaints. 4. After skin contact: Wash with water and acids coap. 4. Information for doctor: Seek immediate medical advice. 1. Information for doctor: Seek immediate medical advice. 1. Information for doctor: Seek immediate medical advice. 1. Information foredoctor: Seek immediate medical advice.	VPVD.			
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Dengenous components: 21 CAS: 106-97-8, butane (containing ≤ 0,1 % butadiene (106-99-0)) 25. CAS: 67-63-0 propan-2-01 Spream Flammable Gases 1, H220; ⊗ Gases under Pressure - Compressed gas, H280 10. CAS: 74-98-6 propan-2-01 10. Flammable Liquids 2, H225; ⊗ Eye Initiation 2A, H319; Specific Target Organ Toxicity - Single 10. Kaster 2, H338 10. 10. CAS: 74-98-6 propan-2.0 10. Flammable Liquids 2, H225; ⊗ Aperiadon Hazard 1, H304; ⊗ Aquatic Acute 2, H401. <2.		acterization: Mixtu		
CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 25- CAS: 67-63-0 propan-2-0 Ø Flammable Gases 1, H220; Ø Gases under Pressure - Compressed gas, H280 10- Ø Flammable Liquids 2, H225; Ø Eye Inflation 2A, H319; Specific Target Organ Toxicity - Single 10- Ø Flammable Gases 1, H220; Ø Gases under Pressure - Compressed gas, H280 10- Hydrocerboxs, C7-03, n-Alkanes, Isooakanes, Cycloalkanes 42 Ø Flammable Liquids 2, H225; Ø Appration Hazard 1, H304; Ø Aquidic Chronic 2, H411; 42 Ø Sapendic Targed Organ Toxicity - Single Gases 1, H220; Ø Gases under Pressure - Compressed gas, H280 42 Additional information: For the wording of the listed hazard 1, H304; Ø Aquidic Chronic 2, H411; 42 Ø Flammable Gases 1, H220; Ø Gases under Pressure - Compressed gas, H280 42 Additional information: For the wording of the listed hazard phrases refer to section 16. 45 First-faid measures Supply fresh air; consult doctor in case of complaints. 46 After skilowing: Seek immediate medical advice. 10- Information for doctor: Wash with water and acid: soap. 41 Most important symptoms and effects, both acufe and delayed information available. 10- 10- Information for doctor: No		nonents:		
			u < 0.1 % butadiene (106-99-0))	25 – 50
		Flammable Gas	ses 1, H220; 🔗 Gases under Pressure - Compressed gas, H280	
CAS: 74-98-6 Propane 10- CAS: 74-98-6 Propane 10- (CAS: 74-98-6) Propane 10- (CAS: 74-98-6) Propane 10- (CAS: 74-98-6) Propane 10- (CAS: 74-98-6) Propane 12- (CAS: 74-98-6) </td <td>CAS: 67-63-0</td> <td></td> <td></td> <td> 10 – 25</td>	CAS: 67-63-0			10 – 25
CAS: 74-98-6 propane 10-		Flammable Liqu	uids 2, H225; 🚸 Eye Irritation 2A, H319; Specific Target Organ Toxicity - Sin	gle
	CAS: 74-98-6			10 - 25
		Flammable Gas	ses 1, H220; 🔗 Gases under Pressure - Compressed gas, H280	
CAS: 75-28-5 Isobutane (containing ≤ 0,1 % butadiene (106-99-0)) M Fiammable Gases 1, H220; SC Gases under Pressure - Compressed gas, H280 Additional information: For the wording of the listed hazard phrases refer to section 16. Information of first aid measures After inhalation: Supply fresh air; consult doctor in case of complaints. After skin contact: Wash with water and acidic soap. After skin contact: Wash with water and acidic soap. Information for doctor: Wash with water and acidic soap. Most important symptoms and effects, both acute and delayed indicate medical advice. Indication of any immediate mediate medical advice. No further relevant information available. Suitable extinguishing agents: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcol resistant foam. Systerial neasemes No further relevant information available. Advice for firefighters No further relevant information available. Advice for firefighters No further relevant information available. Protective equipment: No special measures required.		Hydrocarbons, C7-	-C9, n-Alkanes, Isoalkanes, Cycloalkanes	< 2.5%
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Image: Stammable Gases 1, H220; So Gases under Pressure - Compressed gas, H280 Additional information: For the wording of the listed hazard phrases refer to section 16. 4 First-aid measures Description of first aid measures After skin contact: Supply fresh air; consult doctor in case of complaints. After skin contact: Wash with water and acidic scap. After skin contact: Supply fresh air; consult doctor in case of complaints. After skin contact: Wash with water and acidic scap. After skin contact: Seek immediate medical advice. Information for octor: Seek immediate medical advice. Information for any immediate No further relevant information available. Extinguishing media CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcol resistant foam. Substace or mixture No further relevant information available. Special hazards arising from the substance or mixture No further relevant information available. Special hazards arising from the substance or mixture No by special measures required. Special nease escures Descriptions ources Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course. Inform respective authorities in case of seepage into water course or sewage system contaiment and emergency	CAS: 75-28-5			< 2.5%
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substance or mixture Advice for firefighters No further relevant information available. Advice for firefighters No special measures required. Fretective equipment: No special measures required. 6 Accidental release measures equipment and emergency procedures Keep away from ignition sources 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 Methods and material for containment and cleaning up: Reference to other sections Ensure adequate ventilation. See Section 13 for disposal information. PAC-1: Ensure adequate ventilation. See Section 13 for disposal information. CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) CAS: 77-83-6 propan-2-ol CAS: 77-83-5 isobutane (containing ≤ 0,1 % butadiene (106-99-0)) CAS: 77-84-0 ethane . PAC-2: CAS: 106-97-8 CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) CAS: 77-83-6 propan-2-ol CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) CAS: 74-84-0 ethane . PAC-2: CAS: 106-97-8 CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0))	•		resistant foam.	,
Advice for firefighters Protective equipment: No special measures required. 6 Accidental release measures Second precautions, protective equipment and emergency procedures Keep away from ignition sources 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 containment and cleaning up: Ensure adequate ventilation. Reference to other sections See Section 8 for information on personal protection equipment. See Section 13 for disposal information. PAC-1: CAS: 106-97-8 CAS: 76-30 propan-2-ol CAS: 74-98-6 propane Stoutane (containing ≤ 0,1 % butadiene (106-99-0)) 5500° pp CAS: 76-8-0 ethane 65000*** . PAC-2: CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 5500° pp CAS: 76-80-1 Containing ≤ 0,1 % butadiene (106-99-0)) 5500° pp CAS: 76-80-2 isobutane (containing ≤ 0,1 % butadiene (106-99-0)) 5500° pp CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 5500° pp CAS: 76-80-5 isobutane (containing ≤ 0,1 % butadiene (106-99-0)) 5500° pp CAS: 76-80-6 propan-2-ol 2000° pp				
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Personal precautions, protective equipment and emergency procedures Keep away from ignition sources 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 containment and cleaning up: Ensure adequate ventilation. Reference to other sections Ensure adequate ventilation. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. PAC-1: CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) CAS: 74-98-6 propane 5500* pr CAS: 74-84-0 ethane 6500*** PAC-2: CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 17000** p CAS: 74-84-0 propane 6500*** CAS: 74-84-0 ethane 2000* ppr CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 17000** p CAS: 74-84-0 ethane 6500*** PAC-2: CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 17000** p CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 17000** p	Accidental re			
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Methods and material for containment and cleaning up: Reference to other sectionsEnsure adequate ventilation. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.Protective Action Criteria for ChemicalsSee Section 13 for disposal information.PAC-1:CAS: 106-97-8butane (containing $\leq 0,1$ % butadiene (106-99-0))5500* prCAS: 67-63-0propan-2-ol400 ppmCAS: 74-98-6propane5500* prCAS: 75-28-5isobutane (containing $\leq 0,1$ % butadiene (106-99-0))5500* prCAS: 74-84-0ethane65000***PAC-2:CAS: 106-97-8butane (containing $\leq 0,1$ % butadiene (106-99-0))17000** prCAS: 67-63-0propan-2-ol2000* pprCAS: 74-98-6propane17000** prCAS: 74-98-6propane17000** prCAS: 74-98-6propane17000** pr	Environmental	precautions:	Do not allow product to reach sewage system or any water course.	nae system
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See Section 13 for disposal information.Protective Action Criteria for ChemicalsPAC-1:CAS: 106-97-8 butane (containing $\leq 0,1$ % butadiene (106-99-0))5500* prCAS: 67-63-0 propan-2-ol400 ppmCAS: 74-98-6 propane5500* prCAS: 75-28-5 isobutane (containing $\leq 0,1$ % butadiene (106-99-0))5500* prCAS: 74-84-0 ethane65000***. PAC-2:CAS: 106-97-8 butane (containing $\leq 0,1$ % butadiene (106-99-0))17000** prCAS: 67-63-0 propan-2-ol2000* pprCAS: 74-98-6 propane17000** pp	containment -	nd cleaning up:	Ensure adequate ventilation.	
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$\begin{array}{llllllllllllllllllllllllllllllllllll$	Reference to o	ther sections	See Section 13 for disposal information	
$\begin{array}{c c} CAS: 67-63-0 & propan-2-ol & 400 \ ppm \\ CAS: 74-98-6 & propane & 5500^* \ pp \\ CAS: 75-28-5 & isobutane (containing \le 0,1 \ \% \ butadiene (106-99-0)) & 5500^* \ pp \\ CAS: 74-84-0 & ethane & 65000^{***} \\ \hline CAS: 74-84-0 & ethane & 65000^{***} \\ \hline CAS: 106-97-8 & butane (containing \le 0,1 \ \% \ butadiene (106-99-0)) & 17000^{**} \ pp \\ CAS: 67-63-0 & propan-2-ol & 2000^* \ pp \\ CAS: 74-98-6 & propane & 17000^{**} \ pp \\ \hline CAS: 74-98-6 & propane & 17000^{**} \ $	Reference to o		see Section 13 for disposal information.	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Reference to o Protective Action PAC-1:	on Criteria for Che	emicals	
$\begin{array}{c c} {\sf CAS: 75-28-5} & isobutane (containing \le 0,1 \% \ butadiene (106-99-0)) & 5500^* \ pr \\ {\sf CAS: 74-84-0} & ethane & 65000^{***} \\ {\sf PAC-2:} & \\ {\sf CAS: 106-97-8} \ \ butane (containing \le 0,1 \% \ butadiene (106-99-0)) & 17000^{**} \ pr \\ {\sf CAS: 67-63-0} & \ propan-2-ol & 2000^* \ pr \\ {\sf CAS: 74-98-6} & \ propane & 17000^{**} \ pr \\ \end{array}$	Reference to o Protective Acti PAC-1: CAS: 106-97-8	on Criteria for Che	emicals	5500* ppm
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0	on Criteria for Che butane (containing propan-2-ol	emicals	400 ppm
. PAC-2: CAS: 106-97-8 butane (containing ≤ 0,1 % butadiene (106-99-0)) 17000** p CAS: 67-63-0 propan-2-ol 2000* ppr CAS: 74-98-6 propane 17000** p	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6	on Criteria for Che butane (containing propan-2-ol propane	emicals I ≤ 0,1 % butadiene (106-99-0))	400 ppm 5500* ppm
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6 CAS: 75-28-5	on Criteria for Che butane (containing propan-2-ol propane isobutane (contain	emicals I ≤ 0,1 % butadiene (106-99-0))	400 ppm 5500* ppm 5500* ppm
CAS: 67-63-0 propan-2-ol 2000* ppr CAS: 74-98-6 propane 17000** p	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6 CAS: 75-28-5 CAS: 74-84-0	on Criteria for Che butane (containing propan-2-ol propane isobutane (contain	emicals I ≤ 0,1 % butadiene (106-99-0))	400 ppm 5500* ppm
CAS: 74-98-6 propane 17000** p	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6 CAS: 75-28-5 CAS: 74-84-0 PAC-2:	on Criteria for Cha butane (containing propan-2-ol propane isobutane (contain ethane	emicals $y \le 0,1$ % butadiene (106-99-0)) ing $\le 0,1$ % butadiene (106-99-0))	400 ppm 5500* ppm 5500* ppm 65000*** ppi
	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6 CAS: 75-28-5 CAS: 74-84-0 PAC-2: CAS: 106-97-8	on Criteria for Che butane (containing propan-2-ol propane isobutane (contain ethane butane (containing	emicals $y \le 0,1$ % butadiene (106-99-0)) $y \le 0,1$ % butadiene (106-99-0)) $y \le 0,1$ % butadiene (106-99-0))	400 ppm 5500* ppm 5500* ppm 65000*** ppn 17000** ppm
= 0.53 + 0.53 + 0.50	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6 CAS: 75-28-5 CAS: 74-84-0 PAC-2: CAS: 106-97-8 CAS: 67-63-0	on Criteria for Cha butane (containing propan-2-ol propane isobutane (containing ethane butane (containing propan-2-ol	emicals $y \le 0,1$ % butadiene (106-99-0)) $y \le 0,1$ % butadiene (106-99-0)) $y \le 0,1$ % butadiene (106-99-0))	400 ppm 5500* ppm 5500* ppm 65000*** ppm 17000** ppm 2000* ppm
CAS: 74-84-0 ethane 230000***	Reference to o Protective Acti PAC-1: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6 CAS: 75-28-5 CAS: 74-84-0 PAC-2: CAS: 106-97-8 CAS: 67-63-0 CAS: 74-98-6	on Criteria for Cha butane (containing propan-2-ol propane isobutane (contain ethane butane (containing propan-2-ol propane	emicals $g \le 0,1$ % butadiene (106-99-0)) $ing \le 0,1$ % butadiene (106-99-0)) $g \le 0,1$ % butadiene (106-99-0))	400 ppm 5500* ppm 5500* ppm 65000*** ppm 17000** ppm 2000* ppm 17000** ppm

Trade name: ATTBLIME - AB2

(Contd. of page 2) . PAC-3: CAS: 106-97-8 butane (containing $\leq 0,1$ % butadiene (106-99-0)) 53000*** ppm 12000** ppm CAS: 67-63-0 propan-2-ol CAS: 74-98-6 propane 33000*** ppm 53000*** ppm CAS: 75-28-5 isobutane (containing \leq 0,1 % butadiene (106-99-0)) 400000*** ppm CAS: 74-84-0 ethane 7 Handling and storage Handling: . Precautions for safe handling Open and handle receptacle with care. . Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 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, including any incompatibilities Requirements to be met by storerooms and receptacles: Store in a cool location. Observe official regulations on storing packagings with pressurized containers. . Information about storage in one common storage facility: Store away from foodstuffs. 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. 8 Exposure controls/personal protection . Additional information about No further data; see item 7. design of technical systems: **Control parameters** Components with limit values that require monitoring at the workplace: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits. CAS: 106-97-8 butane (containing < 0,1 % butadiene (106-99-0)) REL Long-term value: 1900 mg/m³, 800 ppm TLV Short-term value: 1000 ppm (EX) CAS: 67-63-0 propan-2-ol PEL Long-term value: 980 mg/m³, 400 ppm Short-term value: 1225 mg/m³, 500 ppm REL Long-term value: 980 mg/m³, 400 ppm Short-term value: 400 ppm TLV Long-term value: 200 ppm BEI, A4 CAS: 74-98-6 propane PEL Long-term value: 1800 mg/m³, 1000 ppm REL Long-term value: 1800 mg/m³, 1000 ppm TLV see Appendix F Minimal oxygen content (D, EX) CAS: 75-28-5 isobutane (containing \leq 0,1 % butadiene (106-99-0)) TLV Short-term value: 1000 ppm (EX) Ingredients with biological limit values: CAS: 67-63-0 propan-2-ol BEI 40 ma/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific) The lists that were valid during the creation were used as basis. . Additional information: (Contd. on page 4)

US

SAFETY DATA SHEETS

Trade name: ATTBLIME - AB2

	(Contd. of page 3)
. 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.
. Breathing equipment:	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	Recommended thickness of the material: ≥ 0.7 mm 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
. Body protection:	Protective work clothing

*

Information on basic physical and chemical properties General Information Appearance: Form: Aerosol Color: White Odor: Characteristic Odor: Not determined. . pH-value at 20 °C (68 °F): 6.9 Change in condition Boiling point/Boiling range: 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. 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): 0.8815 g/cm² (6.8871 lbs/gal) Relative density Not determined. Vapor density Not determined. Vapor density Not determined. Vapor density Not determined.	9 Physical and chemical propert	es
Form: Aerosol Color: White Odor: Characteristic Odor threshold: Not determined. . pH-value at 20 °C (68 °F): 6.9 Change in condition Boiling point/Boiling range: -44.5 °C (-48.1 °F) . Flash point: -97 °C (-142.6 °F) . Flash point: -97 °C (-142.6 °F) . Flammability (solid, gaseous): Not applicable. . Ignition temperature: 200 °C (446 °F) . Decomposition temperature: Not determined. . Auto igniting: Product is not selfigniting. . Danger of explosion: Product is not selfigniting. . Darger of explosion limits: 1.5 Vol % . Uower: 1.5 Vol % . Vapor pressure at 20 °C (68 °F): 8,300 hPa (6.200 mm Hg) Density at 20 °C (68 °F): 0.6815 g/cm² (5.6871 lbs/gal) . Relative density Not determined. . Vapor density Not determined. . Vapor density Not determined. . Vapor density Not determined. . Viscosity: Dynamic: . Solubility in / Miscibility with Insoluble. . Partition coeffi	. General Information	chemical properties
. Odor threshold: Not determined. . pH-value at 20 °C (68 °F): 6.9 . 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: 1.5 Vol % Upper: 1.2 Vol % . Vapor pressure at 20 °C (68 °F): 8,300 hPa (6.200 mm Hg) . Density at 20 °C (68 °F): 0.6815 g/cm³ (5.6871 lbs/gal) . Relative density Not determined. . Vapor density Not determined. . Vapor density Not determined. . Vapor density Not determined. . Solubility in / Miscibility with Mot determined. . Vapor ancic Not determined. . Solubility in / Miscibility with Mot determined. . Vapor density Not determined. . Solubility in / Miscibility with Mot determi	Form: Color:	White
. 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. . Darger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible. . Explosion limits: 1.5 Vol % Lower: 1.5 Vol % Upper: 1.5 Vol % . Vapor pressure at 20 °C (68 °F): 8,300 hPa (6.200 mm Hg) . Belative density Not determined. . Vapor density Not determined. . Vapor density Not determined. . Solubility in / Miscibility with Water: . Partition coefficient (n-octanol/water): Not determined. . Viscosity: Dynamic: . Not determined. . Viscosity: Not determined. . Voc content: 90.4 % . VOC content: 91.71 % . Solids content: 5.0 %		
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 selfigniting. . Explosion limits: 1.5 Vol % 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): 0.6815 g/cm³ (5.6871 lbs/gal) . Relative density Not determined. . Vapor pressure at 20 °C (68 °F): 0.6815 g/cm³ (5.6871 lbs/gal) . Relative density Not determined. . Vapor density Not determined. . Vapor ation rate Not applicable. . Solubility in / Miscibility with Insoluble. . Partition coefficient (n-octanol/water): Not determined. . Viscosity: Dynamic: . Dynamic: Not determined. . Solvent content: 90.4 % . VOC content: 91.71 % . S	. pH-value at 20 °C (68 °F):	6.9
. 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 % 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): 0.6815 g/cm³ (5.6871 lbs/gal) . Relative density Not determined. . Vapor density Not determined. . Vapor density Not determined. . Solubility in / Miscibility with Not determined. . Viscosity: Insoluble. . Partition coefficient (n-octanol/water): Not determined. Viscosity: Dynamic: Not determined. . Viscosity: 09.4 % VOC content: 91.71 % Solids content: 5.0 %		-44.5 °C (-48.1 °F)
. 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:	. Flash point:	-97 °C (-142.6 °F)
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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 % 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): 0.6815 g/cm³ (5.6871 lbs/gal) Relative density Not determined. Vapor density Not determined. Vapor and the end of the e	. Ignition temperature:	230 °C (446 °F)
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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):0.6815 g/cm³ (5.6871 lbs/gal). Relative densityNot determined Vapor densityNot determined Vapor densityNot determined Evaporation rateNot applicable Solubility in / Miscibility with Water:Insoluble Partition coefficient (n-octanol/water): Not determined Viscosity: Dynamic:Not determined Solvent content: Organic solvents:90.4 % 91.71 %. Solids content:5.0 %	. Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
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Dynamic:Not determined Solvent content:90.4 %Organic solvents:91.71 %Solids content:5.0 %	. Partition coefficient (n-octanol/water)	Not determined.
Organic solvents:90.4 %VOC content:91.71 %Solids content:5.0 %		Not determined.
	Organic solvents:	
. Other information No further relevant information available.	Solids content:	5.0 %
	. Other information	No further relevant information available.

	ATTBLIME - AB2	
		(Contd. of
Stability	and reactivity	
Reactivity		No further relevant information available.
Chemical Thermal d	stability ecomposition / condition	ons
to be avoid	led:	No decomposition if used according to specifications.
	/ of hazardous	
reactions Condition	s to avoid	No dangerous reactions known. No further relevant information available.
	ble materials:	No further relevant information available.
	s decomposition	
products:		No dangerous decomposition products known.
	gical information	
	on on toxicological e	ffects
Acute toxic	alues that are relevan	t for classification:
	3-0 propan-2-ol	
		g (rat) (Acute Oral Toxicity)
		kg (rab) (Acute Dermal Toxicity)
Inhalative	LC50/4h 72.6 mg/l (r	
		at) (Acute Inhalation Toxicity)
		nes, Isoalkanes, Cycloalkanes
••••		/kg (rat) (Acute Oral Toxicity)
Dermal		/kg (rabbit) (Acute Dermal Toxicity)
		(rat) (Acute Inhalation Toxicity)
Primary irr		
on the skir		
	3-0 propan-2-ol irkung auf die Haut (4	(h) (nabbit) (Acuta Dannal Invitation (Canacian)
on the eye		h) (rabbit) (Acute Dermal Irritation/Corrosion) Irritating effect.
	3-0 propan-2-ol	
	3^{-0} propan- 2^{-0}	
Schwere A	ugenschädigung/-reiz	zung (rabbit) (Acute Eye Irritation/Corrosion)
Sensitizati	ugenschädigung/-reiz on:	 rung (rabbit) (Acute Eye Irritation/Corrosion) No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
Sensitizati Additional	ugenschädigung/-reiz on:	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations:
Sensitizati Additional CAS: 67-6	ugenschädigung/-reiz on: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat)
Sensitizati Additional CAS: 67-6	ugenschädigung/-reiz on: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 arents 500 mg/kg K0	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity)
Sensitizati Additional CAS: 67-6 NOAEL, m	ugenschädigung/-reiz on: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 arents 500 mg/kg K0	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p	ugenschädigung/-reiz on: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 arents 500 mg/kg K0	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte	aternal 400 mg/kg K0 aternal 500 mg/kg K0 853 mg/kg K0 853 mg/kg K0 hic categories rnational Agency for F	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte	ugenschädigung/-reiz on: toxicological informati aternal 400 mg/kg K0 arents 500 mg/kg K0 853 mg/kg K0	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study)
CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6	aternal 400 mg/kg K0 aternal 500 mg/kg K0 853 mg/kg K0 853 mg/kg K0 hic categories rnational Agency for F	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer)
CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natio	ugenschädigung/-reiz on: toxicological informati aternal 400 mg/kg K0 500 mg/kg K0 853 mg/kg K0 hic categories rnational Agency for F 3-0 propan-2-ol	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natio None of th	ugenschädigung/-reizon: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 arents 500 mg/kg K0 bric categories rnational Agency for F 3-0 propan-2-ol bric categories rnational Agency for F 3-0 propan-2-ol brial Toxicology Prograte e ingredients is listed.	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natio None of th OSHA-Ca	ugenschädigung/-reizon: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 arents 500 mg/kg K0 bric categories rnational Agency for F 3-0 propan-2-ol bric categories rnational Agency for F 3-0 propan-2-ol brial Toxicology Prograte e ingredients is listed.	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natio None of th OSHA-Ca None of th	aternal 400 mg/kg K0 aternal 400 mg/kg K0 aternal 500 mg/kg K0 as53 mg/kg K0 hic categories rnational Agency for F 3-0 propan-2-0 ponal Toxicology Progra e ingredients is listed. (Occupational Safety e ingredients is listed.	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natio None of th OSHA-Ca None of th Reproduct CAS: 67-6	augenschädigung/-reizon: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 aternal 500 mg/kg K0 arents 500 mg/kg K0 bric categories 853 mg/kg K0 rnational Agency for F 3-0 propan-2-ol prolal Toxicology Prograte e ingredients is listed. (Occupational Safety e ingredients is listed. ve toxicity 3-0 propan-2-ol	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration)
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Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Nation None of th Reproduct CAS: 67-6 Oral NOA	3-0 propan-2-ol aternal 400 mg/kg K0 aternal 500 mg/kg K0 arents 500 mg/kg K0 mic categories 853 mg/kg K0 mic categories 70 propan-2-ol onal Toxicology Prograte 10 instant ingredients is listed. 10 instant (Occupational Safety 10 instant e ingredients is listed. 10 instant (Occupational Safety 10 instant e ingredients is listed. 10 instant (Ve toxicity 3-0 propan-2-ol EL, Parents 500 mg/k	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration) kg (rat) (Two-Generation Reproduction Toxicity)
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Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natia None of th Reproduct CAS: 67-6 Oral NOA Specific ta CAS: 67-6	3-0 propan-2-ol aternal 400 mg/kg K0 aternal 500 mg/kg K0 arents 500 mg/kg K0 mic categories 853 mg/kg K0 mic categories 70 propan-2-ol onal Toxicology Prograte 10 instant ingredients is listed. 10 instant (Occupational Safety 10 instant e ingredients is listed. 10 instant (Occupational Safety 10 instant e ingredients is listed. 10 instant (Ve toxicity 3-0 propan-2-ol EL, Parents 500 mg/k	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration) kg (rat) (Two-Generation Reproduction Toxicity)
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natio None of th Reproduct CAS: 67-6 Oral NOA Specific ta CAS: 67-6 STOT RE	augenschädigung/-reizon: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 aternal 500 mg/kg K0 arents 500 mg/kg K0 bnic categories 853 mg/kg K0 mic categories main and Agency for F 3-0 propan-2-ol pral Toxicology Prograte ingredients is listed. (Occupational Safety e e ingredients is listed. is listed. (Occupational Safety e e ingredients is listed. 500 mg/k FEL, Parents 500 mg/k rget organ toxicity - re 3-0 propan-2-ol mg/kg/day (rat) mg/kg/day (rat)	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration) kg (rat) (Two-Generation Reproduction Toxicity)
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Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natic None of th OSHA-Ca None of th Reproduct CAS: 67-6 Oral NOA Specific ta CAS: 67-6 STOT RE Ecologic Toxicity Aquatic to	augenschädigung/-reizon: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 aternal 500 mg/kg K0 arents 500 mg/kg K0 bric categories 853 mg/kg K0 mic categories maintonal Agency for F 3-0 propan-2-ol pral Toxicology Prograte ingredients is listed. (Occupational Safety) e e ingredients is listed. (Occupational Safety) e ingredients is listed. 500 mg/kg (Vocupational Safety) 100 mg/kg al information main formation kicity: 100 mg/kg/day (rat)	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration) kg (rat) (Two-Generation Reproduction Toxicity) peated exposure
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natio None of th OSHA-Ca None of th Reproduct CAS: 67-6 Oral NOA Specific ta CAS: 67-6 STOT RE Ecologic Toxicity Aquatic to: CAS: 106	augenschädigung/-reizon: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 aternal 500 mg/kg K0 arents 500 mg/kg K0 bnic categories starnational Agency for F 3-0 propan-2-ol propan-2-ol pral Toxicology Prograte ingredients is listed. (Occupational Safety) e ingredients is listed. (ive toxicity) 3-0 propan-2-ol EL, Parents [500 mg/k] reget organ toxicity - re 3-0 propan-2-ol mg/kg/day (rat) al information sticity: 97-8 butane (contain	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) G/day (Two-Generation Reproduction Toxicity) G/day (rat) (One-Generation Reproduction Toxicity Study) Research on Cancer) am) & Health Administration) kg (rat) (Two-Generation Reproduction Toxicity) peated exposure hing ≤ 0,1 % butadiene (106-99-0))
Sensitizati Additional CAS: 67-6 NOAEL, m NOAEL, p Carcinoge IARC (Inte CAS: 67-6 NTP (Natic None of th OSHA-Ca None of th Reproduct CAS: 67-6 Oral NOA Specific ta CAS: 67-6 STOT RE Ecologic Toxicity Aquatic to	augenschädigung/-reizon: toxicological informati 3-0 propan-2-ol aternal 400 mg/kg K0 aternal 500 mg/kg K0 arents 500 mg/kg K0 bnic categories starnational Agency for F a-0 propan-2-ol pral Toxicology Prograte inisted. (Occupational Safety sisted. (ive toxicity re al information sisted. (contain) 7.71 mg/l (Algae)	No sensitizing effects known. on: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant G/day (rat) One-Generation Reproduction Toxicity) G/day (rat) Research on Cancer) am) & Health Administration) kg (rat) (Two-Generation Reproduction Toxicity) peated exposure

Trade name: AT	TBLIME - AB2
	(Contd. of page 5)
CAS: 67-63-0	
EC50	> 100 mg/l (Bacteria)
EC50 (48h)	> 100 mg/l (daphnia magnia/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 magnia/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 magnia/gr. Wasserfloh) (Daphnia magna Reproduction Test)
NOEC (96h)	
CAS: 74-98-6	
EC50 (96h)	7.71 mg/l (Algae)
LC50 (96h)	27.98 mg/l (Fisch)
· · · /	ns, C7-C9, n-Alkanes, Isoalkanes, Cycloalkanes
LL50 (96h)	> 13.4 mg/l (Oncorhynchus mykiss)
EL50 (901) EL50 (48h)	3 mg/l (daphnia magnia/gr. Wasserfloh)
EL50 (481) EL50 (72h)	10 – 30 mg/l (Pseudokirchneriella subcapitata - Algen)
	10 mg/l (Pseudokirchneriella subcapitata - Algen)
	\overline{b} isobutane (containing $\leq 0,1$ % butadiene (106-99-0))
EC50 (96h)	7.71 mg/l (Algae)
LC50 (96h)	27.98 mg/l (Fisch)
. Persistence	and degradability
CAS: 67-63-0) propan-2-ol
Biodegradabi	ity 30d 70 – 84 % (aerob) ((Derterm. of the "Ready" Biodegr. Closed Bottle))
. Behavior in e	environmental systems:
. Bioaccumulat	
CAS: 67-63-0	
Log Pow 0.0	
. Mobility in soi	
. Additional ed	cological information:
. General notes	s: 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.
. Results of PI . PBT:	BT and vPvB assessment Not applicable.
. vPvB:	Not applicable.
. Other advers	
13 Disposal co	onsiderations
. Waste treatm	
. Recommenda	
. I Coominionae	sewage system.
llacleene d	
. Uncleaned p . Recommenda	ackagings: ation: Disposal must be made according to official regulations.
	ed cleansing agent: Water, if necessary with cleansing agents.
14 Transport i	nformation
. UN-Number	
. DOT, ADR, IN	MDG, IATA UN1950
UN proper sl	
. DOT	Aerosols, flammable
. ADR	1950 AEROSOLS
. IMDG	AEROSOLS
. IATA	AEROSOLS, flammable
	(Contd. on page 7)
	US -

SAFETY DATA SHEETS

Trade name: ATTBLIME - AB2	
	(Contd. of page 6)
. Transport hazard class(es)	
. DOT	
. Class	2.1 Gases
Label	2.1
. ADR	
Class	2 5F Gases
L Class	21
. IMDG, IATA	2.1
. Class	2.1 Gases
. Label	2.1
Packing group	
. DOT, AĎŘ, 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 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 MARPOL73 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 (EQ)	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 for the substance or mixture No further relevant int	formation 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 \leq 0,1 % butadiene (10	6-99-0)) ACTIVE
CAS: 67-63-0 propan-2-ol	ACTIVE
	(Contd. on page 8)

SAFETY DATA SHEETS

		(Contd. of pag
CAS: 74-98-6 propane		ACTIV
CAS: 294-62-2 Cyclododecan	$\frac{1}{100}$	ACTIV
CAS: 75-28-5 Isobutane (conta CAS: 74-84-0 ethane	ining ≤ 0,1 % butadiene (106-99-0))	ACTIVI ACTIVI
Hazardous Air Pollutants		ACTIV
None of the ingredients is listed.		
Proposition 65		
Chemicals known to cause cance	er:	
None of the ingredients is listed.		
Chemicals known to cause repro- None of the ingredients is listed.	ductive toxicity for females:	
Chemicals known to cause reprod	ductive toxicity for males:	
None of the ingredients is listed.		
Chemicals known to cause develo	opmental toxicity:	
None of the ingredients is listed.		
Carcinogenic categories		
EPA (Environmental Protection A	lgency)	
None of the ingredients is listed.		
TLV (Threshold Limit Value)		
CAS: 67-63-0 propan-2-ol MAK (German Maximum Workpla	200 Concentration	A
None of the ingredients is listed.		
NIOSH-Ca (National Institute for	Occupational Safety and Health)	
None of the ingredients is listed.		
GHS label elements	The product is classified and labeled according to the Globally Harmonized Sy	stem (GHS
Hazard pictograms		
	GHS02 GHS04 GHS07	
Signal word	Danger	
Hazard-determining components		
labeling:	propan-2-ol	
	nvulocalpons. C7-C9. n-Alkanes. Isoalkanes. Cvcloalkanes	
Hazard statements	Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cycloalkanes Extremely flammable aerosol.	
Hazard statements	Extremely flammable aerosol. Contains gas under pressure: may explode if heated.	
	Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness.	
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Trade name: ATTBLIME - AB2		
. * Data compared to the previous version altered.	(Contd. of page 8 IATA: International Air Transport Association 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, EU) LC50: Lethal concentration, 50 percent DD50: Lethal concentration, 50 percent DD50: 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 E1: Biological Exposure Limit Flammable Gases 1: Flammable gases – Category 1 Flammable Gases 1: Flammable gases – Category 2 Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3 Aspiration Hazard 1: Aspiration hazard – Category 1 Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2	- US -

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