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

1.1. Product identifier

Geruchskiller

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Odour agent, Air care products

1.3. Details of the supplier of the safety data sheet

Company name:	Azett GmbH & Co.KG	
Street:	Gutenbergstr. 8	
Place:	D-87781 Ungerhausen	
Telephone:	+49 (0) 8393 / 92270-0	Telefax: +49 (0) 8393 / 92270-22
e-mail:	vertriebsinnendienst@azett.de	
Contact person:	Frau Mirlinda Gashi	Telephone: +49 (0) 8393 / 92270-263
e-mail:	mirlinda.gashi@azett.de	
Internet:	www.azett.de	

1.4. Emergency telephone number:

Giftnotruf Erfurt: +49 (0) 361 / 730 730

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Alcohols, C9-11 ethoxylated

Signal word: Danger

Pictograms:

Hazard statements

H318	Causes serious eye damage.

Precautionary statements

P102	Keep out of reach of children.
P280	Wear protective gloves and eye/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

Special labelling of certain mixtures

EUH208	Contains Octhilinon (ISO); 2-Octyl-2H-isothiazol-3-on. May produce an allergic reaction.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
160901-09-7	Alcohols, C9-11 ethoxylated			5 - < 10 %
	500-446-0			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
112-34-5	2-(2-butoxyethoxy)ethanol			1 - < 5 %
	203-961-6		01-2119475104-44	
	Eye Irrit. 2; H319			
67-63-0	Propan-2-ol			1 - < 5 %
	200-661-7		01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
111-76-2	2-butoxyethanol			1 - < 5 %
	203-905-0		01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H302 H315 H319			
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene			< 1 %
	227-813-5	601-029-00-7		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410			
26530-20-1	octhilinone (ISO); 2-octyl-2H-isothiazol-3-one			< 0.1 %
	247-761-7	613-112-00-5		
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
160901-09-7	500-446-0	Alcohols, C9-11 ethoxylated	5 - < 10 %
	inhalation: LC50 = >100 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 500-2000 mg/kg		
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol	1 - < 5 %
	dermal: LD50 = > 2764 mg/kg; oral: LD50 = > 2000 mg/kg		
67-63-0	200-661-7	Propan-2-ol	1 - < 5 %
	dermal: LD50 = 13900 mg/kg; oral: LD50 = 5840 mg/kg		
111-76-2	203-905-0	2-butoxyethanol	1 - < 5 %
	inhalation: LC50 = 20 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = 1414 mg/kg		
5989-27-5	227-813-5	(R)-p-mentha-1,8-diene; d-limonene	< 1 %
	dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg		
26530-20-1	247-761-7	octhilinone (ISO); 2-octyl-2H-isothiazol-3-one	< 0.1 %
	inhalation: ATE 0,27 mg/kg (dusts or mists); dermal: ATE 311 mg/kg; oral: ATE 125 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 M acute; H400: M=100 M chron.; H410: M=100		

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % non-ionic surfactants, perfumes (Limonene, Citronellol), preservation agents (2-Bromo-2-nitropropane-1,3-diol, OCTYLISOTHIAZOLINONE).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.
Never give anything by mouth to an unconscious person or a person with cramps.
If unconscious but breathing normally, place in recovery position and seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.

After contact with skin

Immediately remove any contaminated clothing, shoes or stockings.
After contact with skin, wash immediately with plenty of water and soap.
Do not wash with: Solvents/Thinner.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).
Call a physician immediately.
Put victim at rest, cover with a blanket and keep warm.
Do NOT induce vomiting.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO2), Extinguishing powder, Water mist

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.
Hazardous decomposition products: carbon black. Danger of serious damage to health by prolonged exposure.
Use appropriate respiratory protection.

5.3. Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Additional information

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid breathing dust/fume/gas/mist/vapours/spray.
Safe handling: see section 7
Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment

No information available.

Other information

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed and suitable containers for disposal. Disposal: see section 13
Clean with detergents. Avoid solvent cleaners.

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Thorough skin-cleansing after handling the product. If handled uncovered, arrangements with local exhaust ventilation have to be used.
Do not breathe gas/fumes/vapour/spray. Wash hands before breaks and after work.
Keep away from food, drink and animal feedingstuffs.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

Do not put any product-impregnated cleaning rags into your trouser pockets. Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity. When diluting/dissolving, always have the water ready first, then slowly stir in the product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV)

Hints on joint storage

Keep/Store only in original container. Do not store together with: Oxidizing agent , Strong acid, Strong alkali

Further information on storage conditions

Follow the instructions for use on the label.
storage temperature of °C 5 up to °C 25.
Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.
If handled uncovered, arrangements with local exhaust ventilation should be used if possible.
If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Protective and hygiene measures

See chapter 7. No additional measures necessary.

Eye/face protection

Suitable eye protection: Dust protection eye glasses/Face protection shield EN 166

Hand protection

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. See information supplied by the manufacturer.
When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
Suitable material: NBR (Nitrilkautschuk) (EN 374)
Breakthrough time: >480 min
NBR 0,35 mm.
Use protective skin cream before handling the product.

Skin protection

Wear anti-static footwear and clothing (Natural fibres (e.g. cotton) / heat-resistant synthetic fibres)

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values.
Use suitable breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	green
Odour:	characteristic
pH-Value (at 20 °C):	7,0 - 8,0

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not applicable
Sustaining combustion:	No data available
Density (at 20 °C):	0,990 - 1,00 g/cm³
Solvent separation test:	<3 % (Land transport (ADR/RID))

9.2. Other information

Solid content:	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Oxidizing agent , Strong acid, Strong alkali

10.4. Conditions to avoid

In case of warming: Formation of:Carbon dioxide

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Nitrogen oxides (NOx), carbon black, Carbon dioxide (CO2), Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
160901-09-7	Alcohols, C9-11 ethoxylated				
	oral	LD50 500-2000 mg/kg	Rat	ECHA	
	dermal	LD50 > 2000 mg/kg	Rabbit	ECHA	
	inhalation (4 h) vapour	LC50 >100 mg/l	Rat	ECHA	
112-34-5	2-(2-butoxyethoxy)ethanol				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 2764 mg/kg	Rabbit		
67-63-0	Propan-2-ol				
	oral	LD50 5840 mg/kg	Rat		
	dermal	LD50 13900 mg/kg	Rabbit		
111-76-2	2-butoxyethanol				
	oral	LD50 1414 mg/kg	Guinea pig	ECHA	
	dermal	LD50 >2000 mg/kg	Guinea pig	ECHA	
	inhalation (4 h) vapour	LC50 20 mg/l	Rat	ECHA	
	inhalation dust/mist	ATE 1,5 mg/l			
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene				
	oral	LD50 > 5000 mg/kg	Rat	GESTIS	
	dermal	LD50 > 5000 mg/kg	Rabbit	GESTIS	
26530-20-1	octhilinone (ISO); 2-octyl-2H-isothiazol-3-one				
	oral	ATE 125 mg/kg			
	dermal	ATE 311 mg/kg			
	inhalation dust/mist	ATE 0,27 mg/kg			

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Contains Octhilinon (ISO); 2-Octyl-2H-isothiazol-3-on. May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] | [d]	Species	Source	Method
160901-09-7	Alcohols, C9-11 ethoxylated						
	Acute fish toxicity	LC50	7 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	
	Acute algae toxicity	ErC50	1,4 mg/l	96 h	Selenastrum capricornutum	ECHA	
	Acute crustacea toxicity	EC50	2,5 mg/l	48 h	Daphnia magna	ECHA	
	Acute bacteria toxicity	(EC50	10 mg/l)		Pseudomonas putida	ECHA	
112-34-5	2-(2-butoxyethoxy)ethanol						
	Acute fish toxicity	LC50	> 100 mg/l	96 h	Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50	1101 mg/l	72 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna (Big water flea)		
111-76-2	2-butoxyethanol						
	Acute fish toxicity	LC50	1474 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	
	Acute algae toxicity	ErC50	1845 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA	
	Acute crustacea toxicity	EC50	1800 mg/l	48 h	Daphnia magna (Big water flea)	ECHA	
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene						
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas		
	Acute crustacea toxicity	EC50	0,42 mg/l	48 h	Daphnia magna		

12.2. Persistence and degradability

The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol	0,81
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene	4,23

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

There are no data available on the mixture itself.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.
Delivery to an approved waste disposal company.

List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 55, Entry 75

2004/42/EC (VOC):	10%
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	1 - slightly hazardous to water

Additional information

Observe in addition any national regulations!

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,6,7,8,9,11,13,15.

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH208	Contains Octhilinon (ISO); 2-Octyl-2H-isothiazol-3-on. May produce an allergic reaction.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)