

according to UK REACH Regulation

marba | cleaner

Revision date: 28.02.2023

Product code: 5550698

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

1.1. Product identifier

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UFI:
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A6NV-VYNF-CG00-E5UH

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

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Company name:	Karl Marbach GmbH & Co. KG	
Street:	Karl-Marbach-Straße 1	
Place:	D-74080 Heilbronn	
Telephone:	+49(0)7131-918-0	Telefax: +49(0)7131-918-213
E-mail:	info@marbach.com	
Internet:	http://www.marbach.com	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Signal word:

Pictograms:

GB CLP Regulation

Warning



Hazard statements

H319

Causes serious eye irritation.

Precautionary statements

Wash Hände thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Special labelling of certain mixtures

EUH208 Contains (R)-p-mentha-1,8-diene; d-limonene. May produce an allergic reaction.

2.3. Other hazards

No information available. PBT: Nicht anwendbar. vPvB: Nicht anwendbar.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Hazardous components

CAS No	Chemical name	_		Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation			
7732-18-5	water			80 - < 85 %
	231-791-2			
164524-02-1	Cumolsulfonat			1 - 10 %
	629-764-9		01-2119489427-24	
	Eye Irrit. 2; H319		•	
68439-50-9	Alcohols, C12-14, ethoxylated			1 - 10 %
	500-213-3		01-2119487984-16	
	Aquatic Acute 1, Aquatic Chronic 3	; H400 H412		
111-76-2	2-butoxyethanol; ethylene glycol m	onobutyl ether; butyl cellosolve		1 - 10 %
	203-905-0	603-014-00-0		
	Acute Tox. 4, Acute Tox. 4, Skin In	it. 2, Eye Irrit. 2; H332 H302 H31	5 H319	
5989-27-5	(R)-p-mentha-1,8-diene; d-limonen	е		0.1 - < 1 %
	227-813-5	601-096-00-2	01-2119529223-47	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens H315 H317 H304 H400 H412	. 1B, Asp. Tox. 1, Aquatic Acute	1, Aquatic Chronic 3; H226	

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	
164524-02-1	629-764-9	Cumolsulfonat	1 - 10 %
	dermal: LD50 :	= >2000 mg/kg; oral: LD50 = >7000 mg/kg	
68439-50-9	500-213-3	Alcohols, C12-14, ethoxylated	1 - 10 %
	oral: LD50 = 2	001 mg/kg	
111-76-2	203-905-0	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	1 - 10 %
	inhalation: ATE mg/kg	= 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: ATE 1200	
5989-27-5	227-813-5	(R)-p-mentha-1,8-diene; d-limonene	0.1 - < 1 %
	dermal: LD50 :	= >5000 mg/kg; oral: LD50 = >2000 mg/kg	

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

5 % - < 15 % non-ionic surfactants, perfumes (Limonene), preservation agents (Methylchloroisothiazolinone/methylisothiazolinone).

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice. Move victim to fresh air. Put victim at rest and keep warm.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary. After contact with skin, wash immediately with



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plenty of water and soap.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of of water. No administration in cases of unconsiousness or cramps. Caution if victim vomits: Risk of aspiration! No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

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

Co-ordinate fire-fighting measures to the fire surroundings. Foam. Extinguishing powder. Water. Carbon dioxide (CO2).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Non-flammable. In case of fire may be liberated: Carbon monoxide

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Keep away from unprotected people. Keep upwind. Vapours are heavier than air and will spread at floor level.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

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



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation as well as local exhaustion at critical locations. Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Keep container tightly closed in a cool, well-ventilated place.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Wash hands before breaks and after work.

Further information on handling

Use only in well-ventilated areas.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Washing and cleaning products (including solvent based products)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		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		Post shift



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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
164524-02-1	Cumolsulfonat			
Worker DNEL,	, long-term	inhalation	systemic	37,4 mg/m ³
Worker DNEL,	, long-term	dermal	systemic	191 mg/kg bw/day
Worker DNEL,	, long-term	dermal	local	0,096 mg/cm ²
Consumer DN	EL, long-term	inhalation	systemic	6.6 mg/m ³
Consumer DN	EL, long-term	dermal	systemic	68,1 mg/kg bw/day
Consumer DN	EL, long-term	dermal	local	0,048 mg/cm ²
Consumer DN	EL, long-term	oral	systemic	3,8 mg/kg bw/day
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene			
Consumer DN	EL, long-term	dermal	systemic	4,8 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	16,6 mg/m ³
Worker DNEL,	, long-term	dermal	systemic	0,5 mg/kg bw/day
Worker DNEL,	, long-term	inhalation	systemic	66,7 mg/m³
Consumer DN	EL, long-term	oral	systemic	4,8 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmenta	I compartment	Value
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene	
Freshwater		0,014 mg/l
Marine water		0,0014 mg/l
Freshwater se	ediment	3,85 mg/kg
Marine sedim	ent	0,385 mg/kg
Soil		0,763 mg/kg

8.2. Exposure controls



Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves are to be worn: CR (polychloroprenes, Chloroprene rubber). Thickness of glove material: 0,65 mm penetration time (maximum wearing period): 60 min



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Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1. Information on basic physical and the	annear properties	
Physical state:	liquid	
Colour:	colourless	
Odour:	characteristic	
Melting point/freezing point:		-5 °C
Boiling point or initial boiling point and		100 °C
boiling range:		
Flammability:		not applicable
		not applicable
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		not determined
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		7
Water solubility:		Immiscible
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density:		0,99 g/cm ³
Relative vapour density:		not determined
9.2. Other information		
Information with regard to physical haz	ard classes	
Explosive properties		
The product is not: Explosive.		
Oxidizing properties		
The product is not: oxidising.		
Other safety characteristics		
Evaporation rate:		not determined
Solid content:		not determined
SECTION 10: Stability and reactivity		

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Gas / vapours, combustible.

10.3. Possibility of hazardous reactions

Oxidizing agents, strong.

10.5. Incompatible materials

No information available.

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10.6. Hazardous decomposition products

No known hazardous decomposition products.

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.

ATEmix calculated

ATE (oral) 24000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 60,00 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name						
	Exposure route	Dose		Species	Source	Method	
164524-02-1	Cumolsulfonat						
	oral	LD50 >7000 R: mg/kg			ECHA	OECD 401	
	dermal	LD50 mg/kg	>2000	Rat	ECHA	OECD 402	
68439-50-9	Alcohols, C12-14, ethox	vlated					
	oral	LD50 mg/kg	2001	Ratte	Echa	OECD 401	
111-76-2	2-butoxyethanol; ethyle	ne glycol m	onobutyl ether	; butyl cellosolve			
	oral	ATE 120)0 mg/kg				
	inhalation vapour	ATE	11 mg/l				
	inhalation dust/mist	ATE	1,5 mg/l				
5989-27-5	(R)-p-mentha-1,8-diene	; d-limonene	Э				
	oral	LD50 mg/kg	>2000	Rat	ECHA	OECD 401	
	dermal	LD50 mg/kg	>5000	Rabbit	ECHA	OECD 402	

Irritation and corrosivity

Causes serious eye irritation.

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

Sensitising effects

Contains (R)-p-mentha-1,8-diene; d-limonene. May produce an allergic reaction. no danger of sensitization.

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.

Additional information on tests

Prolonged/repetitive skin contact may cause skin defattening or dermatitis.

11.2. Information on other hazards

Endocrine disrupting properties

Keiner der Inhaltsstoffe ist enthalten.



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Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

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

The product is not: Ecotoxic.

CAS No	Chemical name								
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method		
164524-02-1	Cumolsulfonat								
	Acute fish toxicity	LC50 mg/l	>100	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	EPA OTS 797.1400		
	Acute algae toxicity	ErC50 mg/l	>100	96 h	Pseudokirchneriella subcapitata	ECHA	EPA OTS 797.1500		
	Acute crustacea toxicity	EC50 mg/l	>100	48 h	Daphnia magna	ECHA	EPA OTS 797.1300		
	Acute bacteria toxicity	(EC50 mg/l)	1000	3 h	Mikroorganismen	ECHA	OECD Guideline 209		
68439-50-9	Alcohols, C12-14, ethoxyl	ated			•				
	Acute fish toxicity	LC50	1,2 mg/l	96 h	Fisch	Echa			
	Acute algae toxicity	ErC50 mg/l	0,41	72 h		Echa			
	Acute crustacea toxicity	EC50 mg/l	0,53	48 h		Echa			
	Fish toxicity	NOEC mg/l	1,09	30 d		Echa			
	Algae toxicity	NOEC mg/l	0,976	72 d		Echa			
	Crustacea toxicity	NOEC mg/l	0,745	21 d		Echa			
111-76-2	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve								
	Acute fish toxicity	LC50 mg/l	1490	96 h	Lepomis macrochirus				
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene								
	Acute fish toxicity	LC50	0,7 mg/l	96 h	Pimephales promelas	ECHA	OECD 203		
	Acute algae toxicity	ErC50 mg/l	0,32	72 h	Raphidocelis subcapitata	ECHA	OECD 201		
	Acute crustacea toxicity	EC50 mg/l	0,36	48 h	Daphnia magna	ECHA	OECD 202		
	Fish toxicity	NOEC mg/l	0,37	8 d	Fisch	ECHA	OECD 212		
	Crustacea toxicity	NOEC mg/l	0,153	21 d	Daphnia magna	ECHA	OECD 211		
	Acute bacteria toxicity	(EC50 mg/l)	209			ECHA			

12.2. Persistence and degradability

The product has not been tested.



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CAS No	Chemical name								
	Method	Value	d	Source					
	Evaluation		-						
164524-02-1	Cumolsulfonat								
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	>60%	28	literature value					
	Easily biodegradable (concerning to the criteria of the C	DECD)							
68439-50-9	Alcohols, C12-14, ethoxylated								
	OECD 301 F	>60%	28						
	leicht biologisch abbaubar	·							
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene								
	OECD Guideline 301 B (CO2 Evolution Test)	71,4%	28						
	leicht abbaubar								

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
164524-02-1	Cumolsulfonat	-3,18 to 0.07
111-76-2	2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve	0,81 (25°C)
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene	4,38

BCF

CAS No	Chemical name	BCF	Species	Source
164524-02-1	Cumolsulfonat	<2,3		OECD Guideline 305C
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene	690,1	auqtic species	ECHA

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 components in this formulation do not meet the criteria for classification as PBT or vPvB.

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

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.



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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:14.2. UN proper shipping name:14.3. Transport hazard class(es):14.4. Packing group:

No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation. No dangerous good in sense of this transport regulation.

14.6. Special precautions for user No information available.

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 75				
2010/75/EU (VOC):	5 % (50,5 g/l)			
2004/42/EC (VOC):	5 % (50,5 g/l)			
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			
Skin resorption/Sensitization:	Causes allergic hypersensitivity reactions.			
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): 2,3,11,12.



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Abbreviations and acronyms ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50% CLP: Classification, labelling and Packaging REACH: Registration. Evaluation and Authorization of Chemicals GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals UN: United Nations DNEL: Derived No Effect Level DMFL: Derived Minimal Effect Level PNEC: Predicted No Effect Concentration ATE: Acute toxicity estimate LL50: Lethal loading, 50% EL50: Effect loading, 50% EC50: Effective Concentration 50% ErC50: Effective Concentration 50%, growth rate NOEC: No Observed Effect Concentration BCF: Bio-concentration factor PBT: persistent, bioaccumulative, toxic vPvB: very persistent, very bioaccumulative RID: Regulations concerning the international carriage of dangerous goods by rail MARPOL: International Convention for the Prevention of Marine Pollution from Ships IBC: Intermediate Bulk Container VOC: Volatile Organic Compounds SVHC: Substance of Very High Concern For abbreviations and acronyms, see table at http://abbrev.esdscom.eu Flam. Liq: Flammable liquids Acute Tox: Acute toxicity Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation Eye Irrit: Eye irritation Skin Sens: Skin sensitisation Aquatic Acute: Acute aquatic hazard Aquatic Chronic: Chronic aquatic hazard

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

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.





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EUH208

Contains (R)-p-mentha-1,8-diene; d-limonene. May produce an allergic reaction.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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