EC safety data sheet

Trade name: Zinc Spray 171
Product no.: L6
Current version : 4.1.0, issued: 05.11.2019 **Replaced version:** 4.0.0, issued: 14.10.2016 **Region:** GB

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

1.1 Product identifier

Trade name

Zinc Spray 171

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

Relevant identified uses of the substance or mixture
corrosion protection spray

Uses advised against
No data available.

1.3 Details of the supplier of the safety data sheet

Address
Cellpack GmbH
Carl-Zeiss-Strasse 20
79761 Waldshut-Tiengen

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Information provided by / telephone
+49 (0)7741 6007-0

Advice on Safety Data Sheet
msds@cellpack.com

1.4 Emergency telephone number

For medical advice (in German and English):
+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)
Aerosol 1; H222
Aquatic Chronic 2; H411
Eye Irrit. 2; H319
STOT SE 3; H336

Classification information
This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:
Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP
Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS02 GHS07 GHS09

Signal word
Danger

Hazardous component(s) to be indicated on label:
acetone

Hazard statement(s)

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statement(s)

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTRE/doctor/… if you feel unwell.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container to hazardous or special waste collection point.

Supplemental label elements
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep out of the reach of children.
Contains 80 % by mass of inflammable ingredients.

2.3 Other hazards
During and after use possible formation of combustible mixture with solvents.

SECTION 3: Composition/information on ingredients

3.1 Substances
Not applicable. The product is not a substance.

3.2 Mixtures
Chemical characterization
Aerosol

Hazardous ingredients

No	Substance name		Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration	%
1	**butane**			
	106-97-8 203-448-7 601-004-00-0 -	Flam. Gas 1; H220 Press. Gas; H280	>= 25.00 - < 50.00	%-b.w.
2	**acetone**			

	67-64-1 200-662-2 606-001-00-8 01-2119471330-49	EUH066 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>=	10.00	- <	25.00	%-b.w.
3	**zinc powder - zinc dust (stabilized)**						
	7440-66-6 231-175-3 030-001-01-9 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>=	2.50	- <	25.00	%-b.w.
4	**propane**						
	74-98-6 200-827-9 601-003-00-5 -	Flam. Gas 1; H220 Press. Gas	>=	5.00	- <	10.00	%-b.w.
5	**Hydrocarbons, C9, aromatics**						
	64742-95-6 918-668-5 - 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066	>=	5.00	- <	10.00	%-b.w.
6	**isobutane**						
	75-28-5 200-857-2 601-004-00-0 -	Flam. Gas 1; H220 Press. Gas	<	2.50			%-b.w.

Full Text for all H-phrases and EUH-phrases: pls. see section 16

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	C, U	-	-	-
4	U	-	-	-
6	C, U	-	-	-

Full text for the notes: pls. see section 16 “Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)”.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information
In all cases of doubt, or when sickness symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Remove soiled or soaked clothing immediately.

After inhalation
Remove to fresh air, keep patient warm and at rest. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

After skin contact
Wash off with soap and water. Do NOT use solvents or thinners.

After eye contact
Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

After ingestion
Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Alcohol resistant foam, CO2, powders, water spray

Unsuitable extinguishing media
High power water jet

5.2 Special hazards arising from the substance or mixture
Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Exposure to heat may cause bursting of the aerosol packagings.

5.3 Advice for firefighters
Cool endangered containers with water in case of fire. When extinguishing fires, use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Exclude sources of ignition and ventilate the area. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8.

For emergency responders
No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions
Do not allow to enter drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up
Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

6.4 Reference to other sections
No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Comply with the health and safety at work laws.

General protective and hygiene measures
Do not eat or drink during work - no smoking.

Advice on protection against fire and explosion
Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Take precautionary measures against static charges.

7.2 Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels
Storage rooms must be properly ventilated.

Incompatible products
Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

7.3 Specific end use(s)
No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No	Substance name	CAS no.		EC no.	
1	**butane**	**106-97-8**		**203-448-7**	
	List of approved workplace exposure limits (WELs) / EH40				
	Butane				
	WEL short-term (15 min reference period)	1810	mg/m³	750	ppm
	WEL long-term (8-hr TWA reference period)	1450	mg/m³	600	ppm
	Comments	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)			
2	**acetone**	**67-64-1**		**200-662-2**	
	2000/39/EC				
	Acetone				
	WEL long-term (8-hr TWA reference period)	1210	mg/m³	500	ppm
	List of approved workplace exposure limits (WELs) / EH40				
	Acetone				
	WEL short-term (15 min reference period)	3620	mg/m³	1500	ppm
	WEL long-term (8-hr TWA reference period)	1210	mg/m³	500	ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	**Exposure time**	**Effect**	**Value**	
1	**acetone**			**67-64-1 200-662-2**	
	dermal	Long term (chronic)	systemic	186	mg/kg/day
	inhalative	Short term (acut)	local	2420	mg/m³
	inhalative	Short term (acut)	systemic	1210	mg/m³
2	**Hydrocarbons, C9, aromatics**			**64742-95-6 918-668-5**	
	dermal	Long term (chronic)	systemic	25	mg/kg/day
	inhalative	Long term (chronic)	systemic	150	mg/m³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	**Exposure time**	**Effect**	**Value**	
1	**acetone**			**67-64-1 200-662-2**	
	oral	Long term (chronic)	systemic	62	mg/kg/day
	dermal	Long term (chronic)	systemic	62	mg/kg/day
	inhalative	Long term (chronic)	systemic	200	mg/m³
2	**Hydrocarbons, C9, aromatics**			**64742-95-6 918-668-5**	

	oral	Long term (chronic)	systemic	11	mg/kg/day
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	32	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	**acetone**		**67-64-1** **200-662-2**	
	water	fresh water	10.6	mg/L
	water	marine water	1.06	mg/L
	water	Aqua intermittent	21	mg/L
	water	fresh water sediment	30.4	mg/kg
	water	marine water sediment	3.04	mg/kg
	soil	-	29.5	mg/kg
	sewage treatment plant	-	100	mg/L

8.2 Exposure controls

Appropriate engineering controls
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection
If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators: Use half-mask model with cartridge or air-fed. Recommendation: gas filter AX, code colour: brown

Eye / face protection
Tightly fitting safety glasses (EN 166).

Hand protection
Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.
In case of short-term contact / splash protection:

Appropriate Material	butyl rubber		
Material thickness	>	0.7	mm
Breakthrough time	>=	480	min

Other
Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form/Colour
Aerosol
grey

Odour
solvent-like

Odour threshold

No data available

pH value
No data available

Boiling point / boiling range
Not applicable

Melting point / melting range
No data available

Decomposition point / decomposition range
No data available

Flash point
Not applicable

Auto-ignition temperature		
Value	287	°C

Oxidising properties
No data available

Explosive properties
No data available

Flammability (solid, gas)
No data available

Lower flammability or explosive limits		
Value	3	% vol
Reference substance	solvent	

Upper flammability or explosive limits		
Value	15	% vol
Reference substance	solvent	

Vapour pressure		
Value	3.8	hPa
Reference temperature	20	°C
Comments	pressure inside the can	
Value	6.8	hPa
Reference temperature	50	°C
Comments	pressure inside the can	

Vapour density
No data available

Evaporation rate
No data available

Relative density
No data available

Density		
Value	0.86	g/ml
Reference temperature	20	°C

Solubility in water	
Comments	insoluble

Solubility(ies)
No data available

Partition coefficient: n-octanol/water

No data available

Viscosity
No data available

9.2 Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable if stored and handled properly.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Stable under recommended storage and handling conditions(See section 7).

10.5 Incompatible materials
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products
When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**acetone**	**67-64-1**		**200-662-2**
LD50		5800		mg/kg bodyweight
Species	rat			
Method	OECD 401			
Source	ECHA			
2	**Hydrocarbons, C9, aromatics**	**64742-95-6**		**918-668-5**
LD50	>	3492		mg/kg bodyweight
Species	rat			
Source	ECHA			

Acute dermal toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**acetone**	**67-64-1**		**200-662-2**
LD50	>	15800		mg/kg bodyweight
Species	rabbit			
Source	ECHA			
2	**Hydrocarbons, C9, aromatics**	**64742-95-6**		**918-668-5**
LD50	>	3160		mg/kg bodyweight
Species	rabbit			
Method	OECD 402			
Source	ECHA			

Acute inhalational toxicity			
No	**Substance name**	**CAS no.**	**EC no.**
1	**acetone**	**67-64-1**	**200-662-2**

LC50		76	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Source	ECHA		

2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5

LC50	>	6.193	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5

Species	rabbit
Method	OECD 404
Source	ECHA
Evaluation	low-irritant
Evaluation/classification	Based on available data, the classification criteria are not met.

Serious eye damage/irritation

No	Product Name
1	Zinc Spray 171

Evaluation	irritant

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5

Route of exposure	Skin
Species	guinea pig
Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing

Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5

Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Reproduction toxicity

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5

Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

Carcinogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**acetone**	**67-64-1**		**200-662-2**
LC50		5540	mg/l	
Duration of exposure		96	h	
Species	Oncorhynchus mykiss			
Source	ECHA			
2	**Hydrocarbons, C9, aromatics**	**64742-95-6**		**918-668-5**
LL50		9.2	mg/l	
Duration of exposure		96	h	
Species	Oncorhynchus mykiss			
Method	OECD 203			
Source	ECHA			

Toxicity to fish (chronic)
No data available

Toxicity to Daphnia (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**acetone**	**67-64-1**		**200-662-2**
EC50		8800	mg/l	
Duration of exposure		48	h	
Species	Daphnia pulex			
Source	ECHA			
2	**Hydrocarbons, C9, aromatics**	**64742-95-6**		**918-668-5**
EL50		3.2	mg/l	
Duration of exposure		48	h	
Species	Daphnia magna			
Method	OECD 202			
Source	ECHA			

Toxicity to Daphnia (chronic)
No data available

Toxicity to algae (acute)				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Hydrocarbons, C9, aromatics**	**64742-95-6**		**918-668-5**
EL50		2.9	mg/l	
Duration of exposure		72	h	
Species	Pseudokirchneriella subcapitata			
Method	OECD 201			
Source	ECHA			

Toxicity to algae (chronic)
No data available

Bacteria toxicity				
No	**Substance name**	**CAS no.**		**EC no.**
1	**Hydrocarbons, C9, aromatics**	**64742-95-6**		**918-668-5**
EC50	>	99	mg/l	

Duration of exposure		10	min
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability				
No	**Substance name**	**CAS no.**	**EC no.**	
1	**acetone**	**67-64-1**	**200-662-2**	
Type	aerobic biodegradation			
Value		90.9	%	
Duration		28	day(s)	
Method	OECD 301 B			
Source	ECHA			
Evaluation	readily biodegradable			
2	**Hydrocarbons, C9, aromatics**	**64742-95-6**	**918-668-5**	
Type	BSB			
Value		78	%	
Duration		28	d	
Method	OECD 301 F			
Source	ECHA			
Evaluation	readily biodegradable			

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Other adverse effects

Other adverse effects
Danger to drinking water if even extremely small quantities leak into the ground.

12.7 Other information

Other information
The product should not be allowed to enter drains or water courses.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product
Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.
Hand over only completely emptied aerosol cans for valuable substance recovery!

Packaging
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of in agreement with the regional waste disposal company.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

Class	2
Classification code	5F
UN number	UN1950
Proper shipping name	AEROSOLS
Tunnel restriction code	D

Label	2.1
Environmentally hazardous substance mark	Symbol "fish and tree"

14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
EmS	F-D, S-U
Label	2.1
Marine pollutant mark	Symbol "fish and tree"
Comments	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II at least.

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1
Comments	The outer packings (boxes or cartons) should comply with the Regulations of Packing Group II (IATA-Regulation 5.2 PI203).

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)
According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation
According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES	
The product is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances	
This product is subject to Part I of Annex I, risk category:	E2, P3a
If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.	

Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)	
VOC content	75.25 %

Other regulations
Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:
Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.
EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU
National Threshold Limit Values of the corresponding countries as amended in each case.
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
U	When put on the market gases have to be classified as ‘Gases under pressure’, in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

This information is based on our present knowledge and experience.
The safety data sheet describes products with a view to safety requirements.
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:
Alterations to the previous edition are marked in the left-hand margin.

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