

Trade name: edding brilliant paper marker ink (violet) contained in: edding 30, edding 33

Current version : 2.0.1, issued: 27.10.2022

Replaced version: 2.0.0, issued: 24.02.2020

Region: GB

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

1.1 Product identifier

Trade name

edding brilliant paper marker ink (violet) contained in: edding 30, edding 33

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

Relevant identified uses of the substance or mixture

Ink for stationery products

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

edding International GmbH

Bookkoppel 7

D-22926 Ahrensburg

Telephone no. +49 (0) 41 02 / 80 8-0

Information provided by / telephone

+49 (0)4102 - 808-0

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)30 30686 790 (Giftnotruf Berlin)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Eye Irrit. 2; H319

Skin Irrit. 2; H315

Skin Sens. 1; H317

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



GHS07

Signal word

Warning

Hazardous component(s) to be indicated on label:

1,2-benzisothiazol-3(2H)-one

Hazard statement(s)

H315

Causes skin irritation.

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H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statement(s)

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients
3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures
Chemical characterization

Mixture (preparation)

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	ethanediol		
	107-21-1 203-473-3 603-027-00-1 -	Acute Tox. 4*; H302	>= 1.00 - <= 5.00 wt%
2	ammonia		
	1336-21-6 215-647-6 007-001-01-2 01-2119488876-14	Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400	< 2.50 wt%
3	1,2-benzisothiazol-3(2H)-one		
	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Aquatic Acute 1; H400 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 0.50 wt%

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

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	B	STOT SE 3; H335: C >= 5%	-	-
3	-	Skin Sens. 1; H317: C >= 0.05%	M = 10	-

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)".

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
2	350 mg/kg bodyweight		
3	670 mg/kg bodyweight		

3.3 Other information

The data subject of this Material Safety Data sheet refer to the ink contained in this product (marker).

SECTION 4: First aid measures
4.1 Description of first aid measures

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General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

Foam; Extinguishing powder; Carbon dioxide; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

For emergency responders

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

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide good ventilation at the work area (local exhaust ventilation, if necessary). If workplace exposure limits are exceeded, respiratory protection approved for this particular job must be worn.

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General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Clean skin thoroughly after work; apply skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

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	ethanediol	107-21-1	203-473-3
	2000/39/EC		
	Ethylene glycol		
	WEL short-term (15 min reference period)	104 mg/m ³	40 ppm
	WEL long-term (8-hr TWA reference period)	52 mg/m ³	20 ppm
	Skin resorption / sensibilisation	Skin	
	List of approved workplace exposure limits (WELs) / EH40		
	Ethane-1,2-diol vapour		
	WEL short-term (15 min reference period)	104 mg/m ³	40 ppm
	WEL long-term (8-hr TWA reference period)	52 mg/m ³	20 ppm
	Comments	Sk	
	List of approved workplace exposure limits (WELs) / EH40		
	Ethane-1,2-diol particulate		
	WEL long-term (8-hr TWA reference period)	10 mg/m ³	
	Comments	Sk	

DNEL, DMEL and PNEC values

DNEL values (worker)

CAS / EC no				
No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	ammonia			1336-21-6 215-647-6
	dermal	Short term (acute)	systemic	6.8 mg/kg/day
	with reference to: CAS 7664-41-7			
	dermal	Long term (chronic)	systemic	6.8 mg/kg/day
	with reference to: CAS 7664-41-7			
	inhalative	Short term (acute)	systemic	47.6 mg/m³
	with reference to: CAS 7664-41-7			
	inhalative	Short term (acute)	local	36 mg/m³
	with reference to: CAS 7664-41-7			
	inhalative	Long term (chronic)	systemic	47.6 mg/m³
	with reference to: CAS 7664-41-7			
	inhalative	Long term (chronic)	local	14 mg/m³
	with reference to: CAS 7664-41-7			
2	1,2-benzisothiazol-3(2H)-one			2634-33-5 220-120-9
	dermal	Long term (chronic)	systemic	0.966 mg/kg/day

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inhalative	Long term (chronic)	systemic	6.81	mg/m ³
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DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ammonia			1336-21-6 215-647-6	
	oral	Short term (acute)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	oral	Long term (chronic)	systemic	6.8	mg/kg/day
	with reference to: CAS 7664-41-7				
	dermal	Short term (acute)	systemic	68	mg/kg/day
	with reference to: CAS 7664-41-7				
	dermal	Long term (chronic)	systemic	68	mg/kg/day
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acute)	systemic	23.8	mg/m³
	with reference to: CAS 7664-41-7				
	inhalative	Short term (acute)	local	7.2	mg/m³
	with reference to: CAS 7664-41-7				
	inhalative	Long term (chronic)	systemic	23.8	mg/m³
	with reference to: CAS 7664-41-7				
	inhalative	Long term (chronic)	local	2.8	mg/m³
	with reference to: CAS 7664-41-7				
2	1,2-benzisothiazol-3(2H)-one			2634-33-5 220-120-9	
	dermal	Long term (chronic)	systemic	0.345	mg/kg/day
	inhalative	Long term (chronic)	systemic	1.2	mg/m³

PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	ammonia		1336-21-6 215-647-6	
	water	fresh water	0.0011	mg/L
	with reference to: CAS: 7664-41-7			
	water	marine water	0.0011	mg/L
	with reference to: CAS: 7664-41-7			
	water	Aqua intermittent	0.0068	mg/L
	with reference to: CAS: 7664-41-7			
2	1,2-benzisothiazol-3(2H)-one		2634-33-5 220-120-9	
	water	fresh water	11	µg/L
	water	marine water	1.1	µg/L
	water	fresh water sediment	49.9	µg/kg dry weight
	water	marine water sediment	4.99	µg/kg dry weight
	soil	-	3	mg/kg dry weight
	sewage treatment plant	-	1.03	mg/L

8.2 Exposure controls
Appropriate engineering controls

No data available.

Personal protective equipment
Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

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Safety glasses with side protection shield (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.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation		
liquid		
Form		
liquid		
Colour		
violet		
Odour		
No data available		
pH value		
No data available		
Boiling point / boiling range		
Value	100	°C
Melting point/freezing point		
No data available		
Decomposition temperature		
No data available		
Flash point		
No data available		
Ignition temperature		
No data available		
Flammability		
No data available		
Lower explosion limit		
No data available		
Upper explosion limit		
No data available		
Vapour pressure		
No data available		
Relative vapour density		
No data available		
Relative density		
No data available		
Density		
No data available		

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Solubility in water	
Comments	soluble

Solubility
No data available

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
log Pow		0.7	
Reference temperature		20	°C
Method		EEC A8	
Source		ECHA	

Kinematic viscosity
No data available

Particle characteristics
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 under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity (result of the ATE calculation for the mixture)	
No	Product Name
1	edding brilliant paper marker ink (violet) contained in: edding 30, edding 33
Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
LD50		5840	mg/kg bodyweight
Species		rat	
Source		Manufacturer	

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2	ammonia	1336-21-6	215-647-6
LD50		350	mg/kg bodyweight
Species with reference to	rat		
Method	CAS 7664-41-7		
Source	OECD 401		
	ECHA		
3	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LD50		670	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	ethanediol	107-21-1	203-473-3
LD50		9530	mg/kg bodyweight
Species	rabbit		
Source	Manufacturer		
2	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LD50		> 2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No data available			

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	ammonia	1336-21-6	215-647-6
Duration of exposure		4	h
Species with reference to	rabbit		
Method	CAS 7664-41-7		
Source	OECD 404		
Evaluation	ECHA		
	corrosive		
2	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Duration of exposure		4	h
Species	rabbit		
Method	EPA OPP 81-5		
Source	ECHA		
Evaluation	irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Species	rabbit		
Method	EPA OPP 81-4		
Source	ECHA		
Evaluation	corrosive		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	ammonia	1336-21-6	215-647-6

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Duration of exposure	48	h
Type of examination	Bacterial Reverse Mutation Test	
Species	Salmonella typhimurium TA98, TA100, TA1535, TA1537	
with reference to	CAS 7664-41-7	
Method	OECD 471	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	
2	1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9
Species	mouse lymphoma cells	
Method	OECD 476	
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
NOAEL		112	mg/kg bw/d
Species	rat		
Method	EPA OPPTS 870.3800		
Source	ECHA		

Carcinogenicity	
No data available	

STOT - single exposure	
No data available	

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
NOAEL		69	mg/kg bw/d
Duration of exposure		90	day(s)
Method	EPA OPP 82-1		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Aspiration hazard	
No data available	

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

Exercise customary precautions when handling chemicals.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
LC50		2.18	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.

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1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
EC50		2.94	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	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
ErC50		150	µg/l
Duration of exposure		72	h
Species	Selenastrum capricornutum		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
EC50		13	mg/l
Duration of exposure		3	h
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability

No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
Value		85	%
Duration		63	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	not readily biodegradable		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)

No	Substance name	CAS no.	EC no.
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9
log Pow		0.7	
Reference temperature		20	°C
Method	EEC A8		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information

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Do not discharge product unmonitored into the environment.

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.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

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 Maritime transport in bulk according to IMO instruments

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, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	75
2	ammonia	1336-21-6	215-647-6	75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

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15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

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.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

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 section.

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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

B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
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Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

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