

Product no.: CE 009 C0102 UK

Current version: 2.0.4, issued: 28.06.2023 Reglaced version: 2.0.3, issued: 22.06.2023 Region: GB

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

#### 1.1 Product identifier

Trade name

## Frupica SC

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

#### Relevant identified uses of the substance or mixture

Plant protection product for professional use. Agriculture.

Fungicide

#### Uses advised against

No data available.

#### 1.3 Details of the supplier of the safety data sheet

#### **Address**

Certis Belchim B.V. (EU)

Stadsplateau 16

3521 AZ Utrecht - Nederland

Telephone no. 0031 (0)30 200 1200 Fax no. 0031 (0)30 310 0241 e-mail info@certisbelchim.com

#### **Advice on Safety Data Sheet**

www.certisbelchim.com

#### Identification of the supplier

#### Address

Certis Belchim B.V. - United Kingdom

Suite 5, 3 Riverside, Granta Park - Great Abington

Cambridgeshire CB21 6AD

United Kingdom

Telephone no. 0044 (0) 1223 652500 Fax no. 0044 (0) 1223 891210

e-mail info.uk@certisbelchim.com - www.certisbelchim.co.uk

#### 1.4 Emergency telephone number

Carechem 24 EU: +44 1235 239670

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

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

Aquatic Chronic 1; H410

Carc. 2; H351

#### **Classification information**

Classification and labelling are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

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**



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GHS08

Signal word

Warning

Hazard statement(s)

H351 Suspected of causing cancer.

H410 Very toxic to aquatic life with long lasting effects.

Hazard statements (EU)

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 In case of inadequate ventilation wear respiratory protection.

P391 Collect spillage.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P501 Dispose of contents/ container to a licensed hazardous waste disposal contractor or

collection site except for triple rinsed empty clean containers which can be disposed of as

non-hazardous waste.

Supplemental label elements

UFI: NM99-Y074-K00Y-YJKP

#### 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**

Mepanipyrim 440 g/I (SC)

Hazardous ingredients

No	Substance name		Additio	nal information		
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Conce	ntration		%
1	Mepanipyrim					
	110235-47-7	Aquatic Acute 1; H400	>=	25.00 - <	50.00	wt%
	-	Aquatic Chronic 1; H410				
	612-229-00-9	Carc. 2; H351				
	-					
2	Paraffins (petroleur	m), normal C>10				
	64771-71-7	Asp. Tox. 1; H304	>=	5.00 - <	10.00	wt%
	265-232-9	EUH066				
	-					
	-					
3	ethanediol					
	107-21-1	Acute Tox. 4; H302	>=	5.00 - <	10.00	wt%
	203-473-3	STOT RE 2; H373o				
	603-027-00-1					
	01-2119456816-28					
4	4 Ammonium salt of polyarylphenyl ether sulphate					
	119432-41-6	Aquatic Chronic 3; H412	<	5.00		wt%
	-					
	-					
	-					



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5	1,2-benzisothiazol-	1,2-benzisothiazol-3(2H)-one			
	2634-33-5	Acute Tox. 4*; H302	<	0.10	wt%
	220-120-9	Aquatic Acute 1; H400			
	613-088-00-6	Eye Dam. 1; H318			
	01-2120761540-60	Skin Irrit. 2; H315			
		Skin Sens. 1; H317			

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)
5	-	Skin Sens. 1; H317: C >= 0.05%	-	-

No	Route, target organ, concrete effect
3	H373
	oral; kidneys; -

## **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

#### **General information**

If medical advice is needed, have product container or label at hand.

#### After inhalation

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

#### After skin contact

Take off contaminated clothing. Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

#### After eye contact

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.

## After ingestion

Rinse mouth. Call a POISON CENTER or doctor/physician.

#### 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; Carbon dioxide; Extinguishing powder; 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); Nitrogen oxides (NOx)

#### 5.3 Advice for firefighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Wear protective clothing.

## **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures



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#### For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. 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. Do not discharge uncontrolled into the subsoil/soil.

#### 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). When collected, handle material as described under the section heading "Disposal considerations".

#### 6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding personal protective measures, see section 8. Information regarding safe handling, see section 7.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

#### Advice on safe handling

No special measures necessary if stored and handled as prescribed. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

#### General protective and hygiene measures

Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Remove soiled or soaked clothing immediately. Do not inhale vapours.

#### Advice on protection against fire and explosion

No special measures necessary.

### 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. Keep from freezing. Protect from heat and direct sunlight.

Recommended storage temperature

Value 0 - 40 °C

Storage stability

Value 2 year(s)

#### Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep only in the original container.

#### Incompatible products

Do not store together with foodstuffs.

#### 7.3 Specific end use(s)

#### Industry solution

Always read the label and product information before use.

#### **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	<b>-</b> ვ
	2000/39/EC				
	Ethylene glycol				
	WEL short-term (15 min reference period)	104	mg/m³	40	ppm
	WEL long-term (8-hr TWA reference period)	52	mg/m³	20	ppm



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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/m³	40	ppm
WEL long-term (8-hr TWA reference period)	52	mg/m³	20	ppm
Comments	Sk			
List of approved workplace exposure limits (WELs) / E	H40			
Ethane-1,2-diol particulate				
WEL long-term (8-hr TWA reference period)	10	mg/m³		
Comments	Sk			

#### **DNEL, DMEL and PNEC values**

#### **DNEL** values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ethanediol			107-21-1	
				203-473-3	
	dermal	Long term (chronic)	systemic	106	mg/kg/day
	inhalative	Long term (chronic)	local	35	mg/m³

#### **DNEL value (consumer)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	ethanediol			107-21-1	
				203-473-3	
	dermal	Long term (chronic)	systemic	53	mg/kg/day
	inhalative	Long term (chronic)	local	7	mg/m³

#### 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

Safety glasses (EN 166)

#### Hand protection

In case of intensive contact, wear protective gloves (EN 374). 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.

Appropriate Material nitrile rubber

Material thickness >= 0.4 mm
Breakthrough time > 480 min

#### Other

Chemical-resistant work clothes. Rubber boots. (EN 13832-3/EN ISO 20345)

#### **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	



cream colour

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Form	
liquid, viscous	

Colour

Odour
No data available

 pH value
 5.5 - 8.5

Boiling point / boiling range

No data available

Melting point/freezing point

No data available

Decomposition temperature

No data available

Flash pointValue100 °C

Ignition temperature
No data available

 Auto-ignition temperature

 Value
 460 °C

 Source
 Manufacturer

Oxidising properties
not oxidizing

Explosive properties
not explosive

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

Density1.07g/cm³Value1.07g/cm³Reference temperature20°C

Solubility
No data available

 Partition coefficient n-octanol/water (log value)

 No
 Substance name
 CAS no.
 EC no.

 1
 Mepanipyrim
 110235-47-7

 log Pow
 3.28

 Source
 Manufacturer

 2
 ethanediol
 107-21-1
 203-473-3



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log Pow	-1.3	36
Reference temperature	25	°C
Source	ECHA	

Kinematic viscosity	
Value	53 - 130 mPa*s
Reference temperature	20 °C
Type	dynamic

Particle characteristics	
No data available	

#### 9.2 Other information

Other information	
No data available.	

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

The product is stable under normal storage and handling conditions.

#### 10.2 Chemical stability

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

#### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

#### 10.4 Conditions to avoid

Protect from heat and direct sunlight.

#### 10.5 Incompatible materials

None known.

## 10.6 Hazardous decomposition products

Combustion or thermal decomposition may generate toxic vapours.

## **SECTION 11: Toxicological information**

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

Acu	Acute oral toxicity				
No	lo Product Name				
1	Frupica SC				
LD50	0	>	5000	mg/kg	
Spec	cies	rat			
Sour	ce	Manufacturer			

Acut	Acute dermal toxicity				
No	Product Name				
1	Frupica SC				
LD50	0	>	2000	mg/kg	
Spec	cies	rabbit			
Sour	rce	Manufacturer			

Acu	Acute inhalational toxicity					
No	Product Name					
1	Frupica SC					
LC5	0	>	5.13	mg/m³		
State	e of aggregation	Dust/mist		-		
Spec	cies	rat				
Soul	rce	Manufacturer				

Skin	corrosion/irritation			
No	Substance name	CAS no.	EC no.	



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1	ethanediol	,	107-21-1		203-473-3	
Dura	ition of exposure			20	h	
Spec	cies	rabbit				
Sour	ce	ECHA				
Eval	uation	non-irritant				

Seri	Serious eye damage/irritation					
No	Substance name		CAS no.		EC no.	
1	ethanediol		107-21-1		203-473-3	
Dura	ation of exposure			24	h	
Spec	cies	rabbit				
Soul	rce	ECHA				
Eval	uation	non-irritant				

Res	Respiratory or skin sensitisation					
No	Substance name	CAS no.	EC no.			
1	ethanediol	107-21-1	203-473-3			
Rou	te of exposure	Skin				
		guinea pig				
Source		ECHA				
Eval	uation	non-sensitizing				

Geri	Germ cell mutagenicity					
No	Substance name	CAS no. EC no.				
1	ethanediol	107-21-1 203-473	-3			
Туре	e of examination	Bacterial Reverse Mutation Test				
Spe	cies	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100;				
Escherichia coli WP2 uvrA						
Meth	nod	OECD 471				
Source ECHA						
Eval	uation/classification	==-:::				

Rep	Reproduction toxicity					
No	Substance name	CAS no.	EC no.			
1	ethanediol	107-21-1	203-473-3			
Soul	ce	ECHA				
Eval	uation/classification	Based on available data, the classification criteria are not met.				

Card	Carcinogenicity			
No	Product Name			
1	Frupica SC			
Sou	rce	Manufacturer		
Eval	luation	Suspected of causing cancer.		

# STOT - single exposure No data available

STO	STOT - repeated exposure					
No	Substance name		CAS no.		EC no.	
1	ethanediol		107-21-1		203-473-3	
Rout	e of exposure	oral				
NOA	EL			150	mg/kg bw/d	
Dura	tion of exposure			12	months	
Spec	cies	rat				
Targ	et organ	kidneys				
Meth	nod	OECD 452				
Sour	ce	ECHA				
Eval	uation/classification	Based on avai	able data, the	classification	n criteria are met.	

Aspiration hazard	
No data available	

#### 11.2 Information on other hazards



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## **Endocrine disrupting properties**

No data available. **Other information**No data available.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

Toxi	Toxicity to fish (acute)						
No	Product Name						
1	Frupica SC						
LC5	0	>	0.74	mg/l			
Dura	ation of exposure		96	h			
Spe	cies	Oncorhynchus mykiss					
Sou	rce	Manufacturer					

# Toxicity to fish (chronic) No data available

Toxi	Toxicity to Daphnia (acute)						
No	Product Name						
1	Frupica SC						
EC5	0		0.63	mg/l			
Dura	ation of exposure		48	h			
Spe	Species Daphnia magna						
Soul	rce	Manufacturer					

Tox	Toxicity to Daphnia (chronic)						
No	Product Name						
1	Frupica SC						
NOE	EC		0.031	mg/l			
Dura	ation of exposure		28	day(s)			
Spe	cies	Daphnia magna					
Sou	rce	Manufacturer					

Toxi	Toxicity to algae (acute)					
No	Product Name					
1	Frupica SC					
EC5	50		1.2	mg/l		
Dura	ation of exposure		72	h		
Spec	cies	Selenastrum capricornutum				
Sour	rce	Manufacturer				

Toxicity to algae (chronic)	
No data available	

Bacteria toxicity	
No data available	

12.2 Persistence and degradability

Biod	Biodegradability					
No	Substance name	CAS no.		EC no.		
1	Mepanipyrim	110235-47-7		-		
Valu	е		0	%		
Dura	ation		28	day(s)		
Meth	nod	CO2 Evolution Test				
Soul	rce	Manufacturer				
Eval	uation	not readily biodegradable				
2	ethanediol	107-21-1		203-473-3		
Туре		DOC decrease				
Valu	е	90 -	100	%		
Dura	ation		10	day(s)		



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Method OECD 301 A Source ECHA

Evaluation readily biodegradable

12.3 Bioaccumulative potential

Biod	Bioconcentration factor (BCF)						
No	Substance name	CAS no.	EC no.				
1	Mepanipyrim	110235-47-7					
BCF		280					
Sou	rce	Manufacturer					

Part	Partition coefficient n-octanol/water (log value)					
No	Substance name	CAS no.		EC no.		
1	Mepanipyrim	110235-47-7		-		
log F	Pow		3.28			
Soul	rce	Manufacturer				
2	ethanediol	107-21-1		203-473-3		
log F	Pow		-1.36			
Refe	erence temperature		25	°C		
Soul	rce	ECHA				

#### 12.4 Mobility in soil

Mob	Mobility in soil					
No	Substance name	CAS no.	EC no.			
1	Mepanipyrim	110235-47-7				
log k	Koc	2.942				
Sou	rce	Manufacturer				

#### 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	
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

Class 9
Classification code M6
Packing group III
Hazard identification no. 90
UN number UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Technical name Mepanipyrim



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Tunnel restriction code

Label

Environmentally hazardous Symbol "fish and tree"

substance mark

14.2 Transport IMDG

Class 9
Packing group III
UN number UN3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Technical name Mepanipyrim EmS F-A, S-F

Label 9

Marine pollutant mark Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class 9
Packing group III
UN number UN3082

Proper shipping name Environmentally hazardous substance, liquid, n.o.s.

Technical name Mepanipyrim

Label

Environmentally hazardous Symbol "fish and tree"

substance mark

#### 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 <u>EU regulations</u>

## 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	Mepanipyrim	110235-47-7	-	75

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:	E1		



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#### Other regulations

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

#### 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)

EUH066 Repeated exposure may cause skin dryness or cracking.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H373o May cause damage to organs through prolonged or repeated exposure if swallowed.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

#### Creation of the safety data sheet

UMCO GmbH

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Tel.: +49 40 / 555 546 300 Fax: +49 40 / 555 546 357 e-mail: umco@umco.de

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.

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