

SAFETY DATA SHEET

Maraging steel M300 (1.2709)

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier ▼Trade name Maraging steel M300 (1.2709) ▼ Other names / Synonyms Document No.: H-5800-1143-02-B EN Product no. A-5771-0400 1.2. Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture Metal powder for additive layer manufacture Uses advised against None known. 1.3. Details of the supplier of the safety data sheet Company and address Renishaw plc New Mills Wotton-under-Edge, GL12 8JR, Gloucestershire, United Kingdom +44 (0) 1453 524524 www.renishaw.com E-mail msds@renishaw.com Revision 14/02/2023 SDS Version 1 1 Date of previous version 21/10/2022 (1.0) 1.4. Emergency telephone number The National Poisons Information Centre (NPIC) Public: +353 (0) 1 809 2166 (7 days a week, 8am- 10pm) Healthcare professionals: +353 (0) 1 809 2566 (24 h service) See also section 4 "First aid measures" Emergency contact from supplier: +44 (0) 1453 524524 (UK office hours 08:00 to 17:00 UTC Monday to Thursday, 08:00 to 16:00 Friday) SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Sens. 1; H317, May cause an allergic skin reaction.
Resp. Sens. 1; H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Muta. 2; H341, Suspected of causing genetic defects.
Carc. 1B; H350, May cause cancer.
Repr. 1B; H360F, May damage fertility.
STOT RE 1; H372, Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 4; H413, May cause long lasting harmful effects to aquatic life.
2.2. Label elements

Hazard pictogram(s)





Signal word Danger Hazard statement(s) May cause an allergic skin reaction. (H317) May cause allergy or asthma symptoms or breathing difficulties if inhaled. (H334) Suspected of causing genetic defects. (H341) May cause cancer. (H350) May damage fertility. (H360F) Causes damage to organs through prolonged or repeated exposure. (H372) May cause long lasting harmful effects to aquatic life. (H413) Safety statement(s) General Prevention Obtain special instructions before use. (P201) Do not breathe dust. (P260) Wear eye protection/protective gloves/protective clothing. (P280) Response IF exposed or concerned: Get medical advice/attention. (P308+P313) Get medical advice/attention if you feel unwell. (P314) Storage ▼ Disposal Dispose of contents/container in accordance with local regulation. (P501) Hazardous substances Nickel Cobalt Additional labelling Restricted to professional users. 2.3. Other hazards

May form explosible dust-air mixture if dispersed.

Additional warnings

May form combustible dust concentrations in air.

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. ▼ Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Iron	CAS No.: 7439-89-6 EC No.: 231-096-4 REACH: 01-2119462838-24-XXXX Index No.:	65.55 - 69.9%		
Nickel	CAS No.: 7440-02-0 EC No.: 231-111-4 REACH: Index No.: 028-002-00-7	17.1 - 19.0%	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Chronic 3, H412	[1], [3]
Cobalt	CAS No.: 7440-48-4 EC No.: 231-158-0 REACH: Index No.: 027-001-00-9	8.0 - 9.0%	Skin Sens. 1, H317 Resp. Sens. 1, H334 Muta. 2, H341 Carc. 1B, H350	



			Repr. 1B, H360F Aquatic Chronic 4, H413
Molybdenum	CAS No.: 7439-98-7 EC No.: 231-107-2 REACH: 01-2119472304-43-XXXX Index No.:	4.5 - 5.2%	
Chromium	CAS No.: 7440-47-3 EC No.: 231-157-5 REACH: 01-2119485652-31-XXXX Index No.:	0.5%	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.

[3] According to REACH, Annex XVII, the substance is subject to restrictions.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

▼ Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use class D extinguishing agents on dust, fines or molten metal. Unsuitable extinguishing media: Water, foam, halogenated extinguishing agents.

5.2. Special hazards arising from the substance or mixture



Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Some metal oxides 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the National Poisons Information Centre (NPIC) on +353 (0) 1 809 256 (24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid direct contact with spilled substances.

Evacuate surrounding areas.

Eliminate all ignition sources.

Ventilate the area.

Wear appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents. Use spark-proof tools and explosion-proof equipment. Avoid dust generation.

Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection. Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Powder trickling out onto the floor or onto other containers must be prevented.

Avoid the suspension of dust in the air.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use non-sparking tools.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Store in tightly closed original container in a dry, cool and well-ventilated place. Store in accordance with local regulations.

Incompatible materials

Oxidizing material

7.3. ▼ Specific end use(s)

This product should only be used for applications quoted in section 1.2.



SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Nickel

Long term exposure limit (8 hours) (mg/m³): 0.5

Cobalt

Long term exposure limit (8 hours) (mg/m³): 0.02

Annotations:

Sen = Chemical agent which following exposure may cause sensitisation of the respiratory tract and lead to asthma, rhinitis or extrinsic allergic alveolitis.

Molybdenum

Long term exposure limit (8 hours) (mg/m³): as Mo; 0,5(Respirable Fraction)/soluble compounds: 10(inhalable Fraction)/ insoluble compounds: 3 (Respirable Fraction)

Chromium

Long term exposure limit (8 hours) (mg/m³): 2 Annotations:

IOELV = Indicative Occupational Exposure Limit Values are health based limits set under the Chemical Agents Directive (98/24/EC).

2021 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019).

VDNEL

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	6.3 µg/m³
Long term – Local effects - Workers	Inhalation	40 µg/m³
Long term – Systemic effects - General population	Oral	9.5 µg/kgbw/day

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	3.33 mg/m ³
Long term – Systemic effects - Workers	Inhalation	11.17 mg/m³
Long term – Systemic effects - General population	Oral	3.4 mg/kg bw/day

Nickel		
Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	20 ng/m³
Long term – Local effects - Workers	Inhalation	0.05 mg/m ³
Long term – Systemic effects - General population	Inhalation	20 ng/m³
Long term – Systemic effects - Workers	Inhalation	0.05 mg/m³
Short term – Local effects - General population	Inhalation	2.4 mg/m ³
Short term – Local effects - Workers	Inhalation	4 mg/m³
Short term – Systemic effects - General population	Inhalation	408 mg/m ³
Long term – Systemic effects - General population	Oral	0.02 mg/kg bw/day
Short term – Systemic effects - General population	Oral	12 µg/kgbw/day

PNEC

No data available.

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis. Where necessary use lighting and electrical equipment designed for use in atmospheres where flammable vapours or dusts are present, and which can direct static electricity by grounding equipment.

General recommendations

When transferring the materials, dust clouds should be kept at an absolute minimum. Handling should be slow and deliberate. The materials should be transferred from one container to another using a non-sparking, conductive metal scoop.

When mixing the material with other dry ingredients, frictional heat should be avoided. The best type of mixer for a dry mixing operation is one that contains no moving parts, but rather affects a tumbling action, such as a conical blender. Introduction of an inert atmosphere in the blender is highly recommended since dust clouds are generated. All equipment must be well grounded.

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Do not recirculate outlet air that contain the substances.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

Туре	Class	Colour	Standards	
SL	P3	White	EN149	

Skin protection

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-	Ŷ
Safety shoes		EN ISO 20345	

Ha	ind protection				
	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	Butyl	0,3	> 480	EN374-2, EN374-3, EN388	

Eye protection

Туре	Standards	
Safety glasse shields.	es with side EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties



Physical state Powder Colour Gray Odour / Odour threshold None pН Not applicable - product is a solid Density (q/cm³) No information available as testing has not been completed. **Relative density** No information available as testing has not been completed. **Kinematic viscosity** Not applicable - product is a solid Particle characteristics Particle size: < 1.0 mm Phase changes Melting point/Freezing point (°C) No information available as testing has not been completed. Softening point/range (waxes and pastes) (°C) Does not apply to solids. Boiling point (°C) No information available as testing has not been completed. Vapour pressure Not applicable - product is a solid Relative vapour density Does not apply to solids. Decomposition temperature (°C) No information available as testing has not been completed. Data on fire and explosion hazards Flash point (°C) Not applicable - product is a solid Flammability (°C) Testing not relevant or not possible due to nature of the product. Auto-ignition temperature (°C) Testing not relevant or not possible due to nature of the product. Lower and upper explosion limit (% v/v) Does not apply to solids. Solubility Solubility in water Insoluble n-octanol/water coefficient No information available as testing has not been completed. Solubility in fat (q/L) No information available as testing has not been completed. 9.2. Other information Formation of explosible dust/air mixtures Yes Evaporation rate (n-butylacetate = 100) Not applicable - product is a solid VOC (g/L) 0 Other physical and chemical parameters No data available. SECTION 10: Stability and reactivity

10.1. ReactivityNo data available.10.2. Chemical stability



The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

- None known.
- 10.4. Conditions to avoid

Avoid the suspension of dust in the air.

- 10.5. Incompatible materials
 - Oxidizing material
- 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

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

Acute toxicity

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

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Suspected of causing genetic defects.

Carcinogenicity

May cause cancer.

Reproductive toxicity

May damage fertility.

STOT-single exposure

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

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Endocrine disrupting properties

None known.

Other information

Nickel has been classified by IARC as a group 2B carcinogen.

Cobalt has been classified by IARC as a group 2B / 2A (Cobalt metal with tungsten carbide) carcinogen.

Chromium has been classified by IARC as a group 1 carcinogen.

Exposure to metal dusts and oxides may cause metal fume fever. Metal fume fever is a temporary flu-like condition characterized by chills, fever, muscle aches and pains, nausea, and vomiting. Typically, the symptoms appear within a few hours after exposure and subside within 2-3 days with no permanent effects.

SECTION 12: Ecological information

12.1. ▼Toxicity

Product/substance	
Test method:	
Species:	
Compartment:	
Duration:	
Test	

Algae Marine water 96 hours EC50

Nickel



Result:	2 ppm
Other information:	
Product/substance	Nickel
Test method:	
Species:	Algae, Lemna minor
Compartment:	Freshwater
Duration:	96 hours
Test: Result:	EC50
Other information:	450 μg/L
Product/substance	Nickel
Test method:	NICKEI
Species:	Daphnia, Daphnia magna
Compartment:	Marine water
Duration:	48 hours
Test:	EC50
Result:	1000 µg/L
Other information:	· · · · · · · · · · · ·
Product/substance	Nickel
Test method:	
Species:	Crustacean
Compartment:	Marine water
Duration:	48 hours
Test:	IC50
Result:	0.31 mg/L
Other information:	
Product/substance	Nickel
Test method:	Field
Species:	Fish Freshwater
Compartment: Duration:	96 hours
Test:	LC50
Result:	47.5 ng/L
Other information:	47.5 ng/L
Product/substance	Nickel
Test method:	
Species:	Algae
Compartment:	Marine water
Duration:	72 hours
Test:	NOEC
Result:	100 mg/L
Other information:	
Product/substance	Nickel
Test method:	
Species:	Fish, Cyprinus carpio
Compartment:	Freshwater
Duration:	28 days
Test:	NOEC
Result:	3.5 μg/L
Other information:	
Product/substance	Molybdenum
Test method:	Daphoja Daphoja magna
Species:	Daphnia, Daphnia magna Freshwater
Compartment: Duration:	Freshwater 48 hours
Test:	48 nours LC50
Result:	>200000 μg/L
Other information:	~20000 µg/L
Product/substance	Molybdenum



Test method:	
Species:	Fish, Oncorhynchus mykiss
Compartment:	Freshwater
Duration:	96 hours
Test:	LC50
Result:	800 mg/L
Other information:	

Product/substance Test method:	Molybdenum
Species:	Algae
Compartment:	Marine water
Duration:	72 hours
Test:	NOEC
Result:	500 mg/L
Other information:	-

12.2. Persistence and degradability

No data available.

12.3. ▼Bioaccumulative potential

Product/substance	Cobalt
Test method:	
Potential bioaccumulation:	No data available.
LogPow:	No data available.
BCF:	15600
Other information:	

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

- This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
- 12.6. Endocrine disrupting properties None known.

12.7. Other adverse effects

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- HP 7 Carcinogenic
- HP 10 Toxic for reproduction
- HP 11 Mutagenic
- HP 13 Sensitising
- HP 14 Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Commission Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

EWC code

Not applicable.

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-



	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ΙΑΤΑ	-	-	-	-	-	-
* Env Addi N 14.6 N 14.7	. Special precau ot applicable.	ion Joods according to AD Itions for user sport in bulk accordin		nts		
SEC	TION 15: Regul	atory information				
R SI R SI	estrictions for a Restricted to People under Pregnant wor precautions o emands for spe No specific re EVESO - Catego Nickel EACH, Annex XV Nickel is subje dditional inforn Not applicable Durces Protection of Maternity Pro SI No 209 of 2 2015. Commission F Regulation (Ef classification, Regulation (Ef Registration, Chemical safe	professional users. the age of 18 shall no men and women brea or design of the workp ecific education quirements. ries / dangerous subs /II ect to REACH restriction nation e. Young Persons (Employ tection Act 1994 (34/1 2015 Chemicals Act (Co Regulation (EU) No 13 C) No 1272/2008 of th labelling and packagi C) No 1907/2006 of th Evaluation, Authorisat	ot be exposed to thi stfeeding must not lace needed to elim tances ons, REACH annex X oyment) Act, 1996 1994) with later ame ontrol of Major Acci 57/2014 of 18 Dece e European Parliam ing of substances an e European Parliam	s product. be exposed to th ninate exposure, r VII (entry 27). endments. dent Hazards inve mber 2014 on wa nent and of the Co nd mixtures (CLP) nent and of the Co	is product. The risk, nust be considered olving Dangerous S ste. ouncil of 16 Decemt ouncil of 18 Decemt	, and possible technica ubstances) Regulation
SEC	TION 16: Other	information				
	317, May cause	es as mentioned in se an allergic skin react	ion.			

H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

- H341, Suspected of causing genetic defects.
- H350, May cause cancer.

H351, Suspected of causing cancer.

H360F, May damage fertility.

H372, Causes damage to organs through prolonged or repeated exposure.

H412, Harmful to aquatic life with long lasting effects.

H413, May cause long lasting harmful effects to aquatic life.

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative Additional information The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP). The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP).

The safety data sheet is validated by EcoOnline

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: IE-en