



Safety Data Sheet

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LOCTITE SF 7400 known as LOCTITE 7400 20ml Blist. M/L

SDS No. : 290260

V003.5

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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: LOCTITE SF 7400 known as LOCTITE 7400 20ml Blist. M/L

Other means of identification: LOCTITE SF 7400 20MLML

Product code: IDH1151333

Recommended use of the chemical and restrictions on use

Intended use: Coating

Identification of manufacturer, importer or distributor

Importer: Henkel Malaysia Sdn Bhd 46th Floor, Menara TM, Jalan Pantai Baharu, 59200 Kuala Lumpur, Malaysia. Phone :+ 603 22461000 Fax : + 60322461188

E-mail address of person responsible for Safety Data Sheet: ap-ua-psra.sea@henkel.com

Emergency information: FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

Section 2. Hazards identification

GHS Classification:

<u>Hazard Class</u>	<u>Hazard Category</u>	<u>Target organ</u>
Flammable liquids	Category 2	
Serious eye damage/eye irritation	Category 2	
Specific target organ toxicity - single exposure	Category 3	respiratory tract irritation Central Nervous System

GHS label elements:

Hazard pictogram:



Signal word:

Danger

Hazard statement:	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.
Precaution:	
Prevention:	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:	P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool.
Disposal:	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3. Composition / information on ingredients**Substance or Mixture:**
Mixture**Declaration of hazardous chemical:**

Hazard component CAS-No.	Content	GHS Classification
n-Butyl acetate 123-86-4	30- 60 %	Flammable liquids 3 H226 Specific target organ toxicity - single exposure 3 H336
4-Methylpentan-2-one 108-10-1	30- 60 %	Flammable liquids 2 H225 Acute toxicity 4; Inhalation H332 Serious eye damage/eye irritation 2 H319 Specific target organ toxicity - single exposure 3 H335
Xylene - mixture of isomers 1330-20-7	1- 10 %	Flammable liquids 3 H226 Acute toxicity 4; Inhalation H332 Acute toxicity 4; Dermal H312 Skin corrosion/irritation 2 H315
2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar- heptyl ar',ar''-Me derivs. 92257-31-3	0.1- 1 %	Carcinogenicity 2 H351 Toxic to reproduction 2 H361 Chronic hazards to the aquatic environment 4 H413

Section 4. First aid measures

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Rinse with running water and soap. Obtain medical attention if irritation persists.
Eye contact:	Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.
Ingestion:	Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.
Indication of immediate medical attention and special treatment needed:	See section: Description of first aid measures

Section 5. Fire fighting measures**Suitable extinguishing media:** Carbon dioxide, foam, powder

Specific hazards arising from the chemical:	In the event of a fire, carbon monoxide (CO), carbon dioxide (CO ₂) and nitrogen oxides (NO _x) can be released.
Special protection equipment and precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Additional fire fighting advice:	In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions:	Avoid skin and eye contact. Ensure adequate ventilation.
Environmental precautions:	Do not let product enter drains.
Clean-up methods:	For small spills wipe up with paper towel and place in container for disposal. For large spills absorb onto inert absorbent material and place in sealed container for disposal. Dispose of contaminated material as waste according to Section 13.

Section 7. Handling and storage

Handling:	Use only in well-ventilated areas. Vapours should be extracted to avoid inhalation. Keep away from sources of ignition - no smoking.
Storage:	Store in a cool, well-ventilated place. Keep away from heat and direct sunlight.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

N-BUTYL ACETATE 123-86-4	Value type	Time Weighted Average (TWA):
	ppm	150
	mg/m³	713
	Remarks	MY OEL
N-BUTYL ACETATE 123-86-4	Value type	Time Weighted Average (TWA):
	ppm	50
	Remarks	ACGIH
N-BUTYL ACETATE 123-86-4	Value type	Short Term Exposure Limit (STEL):
	ppm	150
	Remarks	ACGIH
METHYL ISOBUTYL KETONE 108-10-1	Value type	Time Weighted Average (TWA):
	ppm	20
	Remarks	ACGIH
METHYL ISOBUTYL KETONE 108-10-1	Value type	Time Weighted Average (TWA):
	ppm	50
	mg/m³	205
	Remarks	MY OEL
METHYL ISOBUTYL KETONE 108-10-1	Value type	Short Term Exposure Limit (STEL):
	ppm	75
	Remarks	ACGIH
XYLENE (O, M AND P ISOMERS) 1330-20-7	Value type	Time Weighted Average (TWA):
	ppm	100
	Remarks	ACGIH
XYLENE (O-, M-, P-ISOMERS) 1330-20-7	Value type	Time Weighted Average (TWA):
	ppm	100
	mg/m³	434
	Remarks	MY OEL
XYLENE (O, M AND P ISOMERS) 1330-20-7	Value type	Short Term Exposure Limit (STEL):
	ppm	150
	Remarks	ACGIH

Respiratory protection:

Ensure adequate ventilation.
An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly ventilated area
Filter type: A (EN 14387)

Hand protection:

Chemical-resistant protective gloves (EN 374).
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):
nitrile rubber (NBR; >= 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing.

	Protective eye equipment should conform to EN166.
Body protection:	Wear suitable protective clothing. Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.
Engineering controls:	Ensure good ventilation/extraction.
Hygienic measures:	Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working. Good industrial hygiene practices should be observed.

Section 9. Physical and chemical properties

Appearance:	red liquid
Odor:	characteristic
Odor threshold (CA):	No data available.
pH:	No data available.
Melting point / freezing point:	No data available.
Specific gravity:	No data available.
Boiling point:	114 °C (237.2 °F)
Flash point:	14 °C (57.2 °F)
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	1.7 %(V)
Upper explosive limit:	10.4 %(V)
Vapor pressure:	58.7 mbar (; 20 °C (68 °F))
Vapor density:	No data available.
Density:	0.97 g/cm ³
Solubility:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
VOC content:	74.74 % (2010/75/EC)

Section 10. Stability and reactivity

Reactivity/Incompatible materials:	Reaction with strong acids. Reacts with strong oxidants.
Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	No decomposition if used according to specifications.
Hazardous decomposition products:	Irritating organic vapours.

Section 11. Toxicological information

Inhalative toxicity:	Acute toxicity estimate (ATE) : > 20 mg/l
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Exposure time: 4 h
Test atmosphere: Vapor.
Method: Calculation method

Dermal toxicity: Acute toxicity estimate (ATE) : > 2,000 mg/kg
Method: Calculation method

Health Effects:

Ingestion: May cause gastrointestinal tract irritation if swallowed.
Skin: Solvent may remove essential oils from the skin making it susceptible to attack from other chemicals.
Eyes: Causes serious eye irritation.
Inhalation: May cause respiratory irritation.
Vapours may cause drowsiness and dizziness.
Symptoms of Overexposure: RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.
EYE: Irritation, conjunctivitis.
Repeated exposure may cause skin dryness or cracking.
Vapors may cause drowsiness and dizziness.

Acute oral toxicity:

n-Butyl acetate 123-86-4	Value type	LD50
	Value	10,760 mg/kg
	Species	rat
	Method	OECD Guideline 423 (Acute Oral toxicity)
4-Methylpentan-2-one 108-10-1	Value type	LD50
	Value	2,080 mg/kg
	Species	rat
	Method	OECD Guideline 401 (Acute Oral Toxicity)
Xylene - mixture of isomeres 1330-20-7	Value type	LD50
	Value	3,523 mg/kg
	Species	rat
	Method	EU Method B.1 (Acute Toxicity (Oral))
2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar',ar''-Me derivs. 92257-31-3	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rat
	Method	

Acute inhalative toxicity:

n-Butyl acetate 123-86-4	Value type	LC50
	Value	> 23.4 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
4-Methylpentan-2-one 108-10-1	Value type	Acute toxicity estimate (ATE)
	Value	11 mg/l
	Exposure time	
	Species	
	Method	Expert judgement
4-Methylpentan-2-one 108-10-1	Value type	LC50
	Value	8.2 - 16.4 mg/l
	Exposure time	4 h
	Species	rat
	Method	OECD Guideline 403 (Acute Inhalation Toxicity)
Xylene - mixture of isomers 1330-20-7	Value type	LC50
	Value	11 mg/l
	Exposure time	4 h
	Species	rat
	Method	not specified

Acute dermal toxicity:

n-Butyl acetate 123-86-4	Value type	LD50
	Value	> 14,112 mg/kg
	Species	rabbit
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
4-Methylpentan-2-one 108-10-1	Value type	LD50
	Value	> 2,000 mg/kg
	Species	rat
	Method	OECD Guideline 402 (Acute Dermal Toxicity)
Xylene - mixture of isomers 1330-20-7	Value type	LD50
	Value	1,700 mg/kg
	Species	rabbit
	Method	not specified
2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar',ar''-Me derivs. 92257-31-3	Value type	LD50
	Value	> 5,000 mg/kg
	Species	rabbit
	Method	not specified

Skin corrosion/irritation:

n-Butyl acetate 123-86-4	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
4-Methylpentan-2-one 108-10-1	Result	not irritating
	Exposure time	4 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Xylene - mixture of isomers 1330-20-7	Result	moderately irritating
	Exposure time	
	Species	rabbit
	Method	not specified

Serious eye damage/irritation:

n-Butyl acetate 123-86-4	Result	not irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
4-Methylpentan-2-one 108-10-1	Result	slightly irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Xylene - mixture of isomers 1330-20-7	Result	slightly irritating
	Exposure time	
	Species	rabbit
	Method	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Respiratory or skin sensitization:

n-Butyl acetate 123-86-4	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	not specified
4-Methylpentan-2-one 108-10-1	Result	not sensitising
	Test type	Guinea pig maximisation test
	Species	guinea pig
	Method	OECD Guideline 406 (Skin Sensitisation)
Xylene - mixture of isomers 1330-20-7	Result	not sensitising
	Test type	Mouse local lymphnode assay (LLNA)
	Species	mouse
	Method	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity:

n-Butyl acetate 123-86-4	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
n-Butyl acetate 123-86-4	Result	negative
	Type of study / Route of administration	mammalian cell gene mutation assay
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
n-Butyl acetate 123-86-4	Result	negative
	Type of study / Route of administration	oral: gavage
	Metabolic activation / Exposure time	
	Species	mouse
	Method	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
4-Methylpentan-2-one 108-10-1	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Xylene - mixture of isomers 1330-20-7	Result	negative
	Type of study / Route of administration	bacterial reverse mutation assay (e.g Ames test)
	Metabolic activation / Exposure time	with and without
	Method	OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Xylene - mixture of isomers 1330-20-7	Result	negative
	Type of study / Route of administration	in vitro mammalian chromosome aberration test
	Metabolic activation / Exposure time	with and without
	Method	EU Method B.10 (Mutagenicity)
Xylene - mixture of isomers 1330-20-7	Result	negative
	Type of study / Route of administration	sister chromatid exchange assay in mammalian cells
	Metabolic activation / Exposure time	with and without
	Method	EU Method B.19 (Sister Chromatid Exchange Assay In Vitro)
Xylene - mixture of isomers 1330-20-7	Result	negative
	Type of study / Route of administration	intraperitoneal
	Metabolic activation / Exposure time	
	Species	rat
	Method	OECD Guideline 478 (Genetic Toxicology: Rodent Dominant Lethal Test)

Repeated dose toxicity:

n-Butyl acetate 123-86-4	Result	NOAEL=125 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	6 (interim sacrifice) or 13 w/daily
	Species	rat
	Method	EPA OTS 798.2650 (90-Day Oral Toxicity in Rodents)
Xylene - mixture of isomers 1330-20-7	Result	NOAEL=150 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	90 ddaily
	Species	rat
	Method	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Xylene - mixture of isomers 1330-20-7	Result	LOAEL=150 mg/kg
	Route of application	oral: gavage
	Exposure time / Frequency of treatment	90 ddaily
	Species	rat
	Method	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Section 12. Ecological information

Ecotoxicity: Do not empty into drains / surface water / ground water.

Toxicity:

n-Butyl acetate 123-86-4	Value type	LC50
	Value	18 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Pimephales promelas
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
n-Butyl acetate 123-86-4	Value type	EC50
	Value	44 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia sp.
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
n-Butyl acetate 123-86-4	Value type	EC50
	Value	674.7 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
	Value type	EC10
	Value	295.5 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
n-Butyl acetate 123-86-4	Value type	IC50
	Value	356 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	40 h
	Species	Ciliate (Tetrahymena pyriformis)
	Method	other guideline:
4-Methylpentan-2-one 108-10-1	Value type	LC50
	Value	600 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Salmo gairdneri (new name: Oncorhynchus mykiss)
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
4-Methylpentan-2-one 108-10-1	Value type	EC50
	Value	170 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
4-Methylpentan-2-one 108-10-1	Value type	EC50
	Value	400 mg/l
	Acute Toxicity Study	Algae
	Exposure time	96 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
4-Methylpentan-2-one 108-10-1	Value type	EC0
	Value	275 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	16 h
	Species	
	Method	not specified
Xylene - mixture of isomeres 1330-20-7	Value type	LC50
	Value	86 mg/l
	Acute Toxicity Study	Fish
	Exposure time	
	Species	Leuciscus idus
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Xylene - mixture of isomeres 1330-20-7	Value type	EC50
	Value	3.1 mg/l
	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Xylene - mixture of isomers 1330-20-7	Value type	EC50
	Value	2.2 mg/l
	Acute Toxicity Study	Algae
	Exposure time	72 h
	Species	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)
	Method	OECD Guideline 201 (Alga, Growth Inhibition Test)
Xylene - mixture of isomers 1330-20-7	Value type	EC 50
	Value	> 1 - 10 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	
	Species	
	Method	not specified

Persistence and degradability:

n-Butyl acetate 123-86-4	Result	readily biodegradable
	Route of application	aerobic
	Degradability	83 %
	Method	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
4-Methylpentan-2-one 108-10-1	Result	readily biodegradable
	Route of application	aerobic
	Degradability	99 %
	Method	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Xylene - mixture of isomers 1330-20-7	Result	readily biodegradable
	Route of application	aerobic
	Degradability	> 60 %
	Method	OECD 301 A - F

Bioaccumulative potential / Mobility in soil:

n-Butyl acetate 123-86-4	LogPow	2.3
	Temperature	25 °C
	Method	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
4-Methylpentan-2-one 108-10-1	LogPow	1.31
	Temperature	20 °C
	Method	not specified
Xylene - mixture of isomers 1330-20-7	Bioconcentration factor (BCF)	8.5
	Exposure time	7 d
	Species	Oncorhynchus mykiss
	Temperature	
	Method	not specified
Xylene - mixture of isomers 1330-20-7	LogPow	3.12
	Temperature	
	Method	not specified
2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar',ar"-Me derivs. 92257-31-3	LogPow	5.14
	Temperature	
	Method	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

Section 13. Disposal considerations**Product**

Method of disposal: Dispose of in accordance with local and national regulations.

Packaging

Disposal of uncleaned packages: Disposal must be made according to official regulations.

Section 14. Transport information

Road transport ADR:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1263
Label:	3
Technical name:	PAINT
Additional information:	Special provision 640D

Railroad transport RID:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1263
Label:	3
Technical name:	PAINT
Additional information:	Special provision 640D

Inland water transport ADN:

Class:	3
Packing group:	II
Classification code:	F1
Hazard ident. number:	33
UN no.:	1263
Label:	3
Technical name:	PAINT
Additional information:	Special provision 640D

Marine transport IMDG:

Class:	3
Packing group:	II
UN no.:	1263
Label:	3
EmS:	F-E ,S-E
Seawater pollutant:	-
Proper shipping name:	PAINT

Air transport IATA:

Class:	3
Packing group:	II
Packaging instructions (passenger):	353
Packaging instructions (cargo):	364
UN no.:	1263
Label:	3
Proper shipping name:	Paint

Section 15. Regulatory information

Regulatory Information: Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 [P.U.(A) 310/213]
Industry Code of Practice on Chemicals Classification and Hazard Communication

Global inventory status:

Regulatory list	Notification
EINECS	yes
TSCA	yes
DSL	yes
KECI (KR)	yes
PICCS (PH)	yes
IECSC	yes
NZIOC	yes

Section 16. Other information

Disclaimer: This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.