Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 First edition: 1/09/2015 Last revision: 20/12/2022 Supersedes version of: 15/01/2020 Version: 5.2

1.1. Product identifier Product form	: Mixture
lame	: DPF Doctor
Product number	: 04.2115.9999
.2. Relevant identified uses of the su	Ibstance or mixture and uses advised against
Relevant identified uses	
Jse of the substance or preparation	: DPF Doctor is an effective cleaner for loosening and removing carbon and soot pollution in the diesel particulate filter system, without having to dismantle the DPF.
Title	Use descriptors
Industrial use	SU3, PC35, PROC7
Professional use	SU22, PC35, PROC11
Full text of use descriptors: see section 16	
.3. Details of the supplier of the safe	ty data sheet
PCS Innotec International NV	
Schans 4	
3E - 2480 Dessel	
Γ.: +32 (0) 14 32 60 01 F.: +32 (0) 14 32 60 12	
+32 (0) 14 32 60 12 nse@innotec.eu	
ise@initotec.eu	
Distributor:	
nnotec Supplies Ltd.	
Jnit 25 Glenmore Business Park,	
elford RD	
IK - SP2 7GL Salisbury, Wiltshire	
.: +44 (0)1722411744	
nfo@innotecworld.com	
-	
1.4. Emergency telephone number	h. German, Dutch):
1.4. Emergency telephone number 24h/24h (Telephone advice: English, Frencl	h, German, Dutch):
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1.4. Emergency telephone number 24h/24h (Telephone advice: English, Frenci BIG : +32 (0) 14 58 45 45	
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P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304 - IF INHALED: Call a POISON CENTER or doctor/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.
P403 - Store in a well-ventilated place.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
(2-methoxymethylethoxy)propanol (substance with a Community workplace exposure limit)	CAS number: 34590-94-8 EINECS / ELINCS number: 252-104-2 REACH-no: 01-2119450011- 60	10 – 25	Not classified
3-butoxypropan-2-ol	CAS number: 5131-66-8 EINECS / ELINCS number: 225-878-4 EC Index-No.: 603-052-00-8 REACH-no: 01-2119475527- 28	2,5 – 10	Eye Irrit. 2, H319 Skin Irrit. 2, H315
Butane (Contains < 0,1% butadiene (203-450-8))	CAS number: 106-97-8 EINECS / ELINCS number: 203-448-7 REACH-no: 01-2119474691- 32	2,5 – 10	Flam. Gas 1A, H220 Press. Gas
Propane	CAS number: 74-98-6 EINECS / ELINCS number: 200-827-9 REACH-no: 01-2119486944- 21	2,5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
2-Aminoethanol	CAS number: 141-43-5 EINECS / ELINCS number: 205-483-3 REACH-no: 01-2119486455- 28	2,5 – 5	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314
C6 Alkyl glucoside	CAS number: 54549-24-5 EINECS / ELINCS number: 259-217-6 REACH-no: 01-2119492545- 29	1 – 2,5	Eye Dam. 1, H318
Alcohol ethoxylate	CAS number: 68439-45-2	1 – 2,5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Tetrapotassium pyrophosphate	CAS number: 7320-34-5 EINECS / ELINCS number: 230-785-7 REACH-no: 01-2119489369- 18	1 – 2,5	Eye Irrit. 2, H319

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
2-Aminoethanol	CAS number: 141-43-5 EINECS / ELINCS number: 205-483-3 REACH-no: 01-2119486455- 28	(5 ≤ C ≤ 100) STOT SE 3; H335

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures 4.1. Description of first aid measures	
General advice	: Get medical advice/attention if you feel unwell.
Inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. Immediately rinse with plenty of water.
Eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	: Do NOT induce vomiting. Get immediate medical advice/attention. Drink plenty of water. Go into open air and ventilate suspected area.
4.2. Most important symptoms and effects, both acute and delayed	
Skin contact	: Causes severe skin burns and eye damage.

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

No additional information available

SECTION 5: Firefighting measure	es
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Carbon dioxide. Alcohol resistant foam.
5.2. Special hazards arising from the	
Fire hazard	: Extremely flammable aerosol.
5.3. Advice for firefighters	
Firefighting instructions	: Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release n	neasures
	e equipment and emergency procedures
General measures	: Wear suitable protective clothing.
For non-emergency personnel	
Protective equipment	: Refer to protective measures listed in sections 7 and 8.
Emergency procedures	: Evacuate unnecessary personnel.
For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters.	Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for contain	nment and cleaning up
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation. Do not flush with aqueous cleansing agents.
Other information	: Ensure adequate ventilation.
6.4 Potoronco to other sections	

6.4. Reference to other sections

Stable in handling and storage conditions as recommended in section 7. Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning: see section 13.

SECTION 7: Handling and storage 7.1. Precautions for safe handling	
Additional hazards when processed	: Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use. Do not pierce or burn, even after use. In use, may form flammable vapour-air mixture.

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Precautions for safe handling	: Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, inclu	Iding any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	Protect from sunlight. Store in a well-ventilated place. Store in a dry place. Keep away from ignition sources. Do not expose to temperatures exceeding 50 °C. Keep in fireproof place. Smoking is forbidden.
Incompatible products	: Keep away from food, drink and animal feedingstuffs.
Technical condition(s)	: Store in a well-ventilated place. Impermeable underground / retention basin.
Special rules on packaging	: Keep container tightly closed and dry. Keep only in original container.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection 8.1. Control parameters

National occupational exposure and biological limit values

(2-methoxymethylethoxy)propanol (34590-94-8)		
EU - Indicative Occupational Exposure Limit (IOE	L)	
Local name	(2-Methoxymethylethoxy)-propanol	
IOEL TWA	308 mg/m ³	
	50 ppm	
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom - Occupational Exposure Limits		
Local name	(2-methoxymethylethoxy) propanol	
WEL TWA (OEL TWA)	308 mg/m ³	
	50 ppm	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
Butane (106-97-8)		
United Kingdom - Occupational Exposure Limits		
Local name	Butane	
WEL TWA (OEL TWA)	1450 mg/m ³	
	600 ppm	

	600 ppm
WEL STEL (OEL STEL)	1810 mg/m ³
	750 ppm
Remark	Carc (Capable of causing cancer and/or heritable genetic damage, only applies if Butane contains more than 0.1% of buta-1,3-diene)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

2-Aminoethanol (141-43-5)

United Kingdom - Occupational Exposure Limits	
Local name	2-Aminoethanol
WEL TWA (OEL TWA)	2,5 mg/m³
	1 ppm
WEL STEL (OEL STEL)	7,6 mg/m³

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2-Aminoethanol (141-43-5)	
	3 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

DNEL and PNEC	
C6 Alkyl glucoside (54549-24-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	595000 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	420 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	35,7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	124 mg/m ³
Long-term - systemic effects, dermal	357000 mg/kg bodyweight/day
8.2. Exposure controls	

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

In case of inadequate ventilation wear respiratory protection. Gloves. Safety glasses.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Wear security glasses which protect from splashes. ISO 16321-1

Skin protection

Skin protection:

Wear suitable protective clothing. EN 13034

Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Respiratory protection

Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Recommended: filter type AX/P2

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: light yellow.	
Appearance	: Aerosol.	

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Odour	: Not available
Odour threshold	: Not available
Melting point/melting range	: Not available
Freezing point	: Not available
Boiling point/range	: Not applicable, since the product is an aerosol.
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable, since the product is an aerosol.
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not available
рН	: 11,7 (20°C)
Viscosity, kinematic	: Not available
Solubility	: Water: completely miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 23 hPa (20°C)
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,95 (20 °C)
Vapour density	: Not available
Particle characteristics	: Not applicable
9.2. Other information	
Information with regard to physical hazard clas	ses
Explosion limits	: 1,1 – 14 vol %
Other safety characteristics	
V.O.C. (V.O.S.)	: 248,3 g/l
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Extremely flammable aerosol.	
10.2. Chemical stability Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No additional information available	
10.4. Conditions to avoid	
No additional information available	
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products No additional information available	

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Acute toxicity (oral) :	Not classified	
Acute toxicity (dermal) :	Not classified	
Acute toxicity (inhalation) :	Not classified	
3-butoxypropan-2-ol (5131-66-8)		
LD50/oral/rat	2124 – 2700 mg/kg	
LD50 dermal rat	> 2000 mg/kg	
Butane (106-97-8)		
LC50/inhalation/4h/rat	658000 mg/m³	
2-Aminoethanol (141-43-5)		
LD50/oral/rat	2050 mg/kg	
LD50/dermal/rabbit	1000 mg/kg	

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LD50/oral/rat	300 – 2000 mg/kg	
LD50 dermal rat	> 2000 mg/kg	
Skin corrosion/irritation	: Causes severe skin burns.	
	pH: 11,7 (20°C)	
Serious eye damage/irritation	: Causes serious eye damage.	
	pH: 11,7 (20°C)	
Respiratory or skin sensitisation	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: Not classified	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	

No additional information available

SECTION 12: Ecological information		
12.1. Toxicity		
Hazardous to the aquatic environment, short–term : (acute)	Not classified	
Hazardous to the aquatic environment, long-term : (chronic)	Not classified	
3-butoxypropan-2-ol (5131-66-8)		
LC50/96h/fish	560 – 1000 mg/l	
LC50 - Other aquatic organisms [1]	> 1000 μg/l (Daphnia magna)	
C6 Alkyl glucoside (54549-24-5)		
LC50/96h/fish	> 100 mg/l (Oncorhynchus mykiss)	
EC50 - Other aquatic organisms [1]	0,1 mg/l (Daphnia Magna)	
EC50 - Other aquatic organisms [2]	> 100 mg/l (72h)	
Alcohol ethoxylate (68439-45-2)		
LC50 - Fish [2]	10 – 100 mg/l	
LC50 - Other aquatic organisms [1]	10 – 100 mg/l (Algae)	
LC50 - Other aquatic organisms [2]	> 100 mg/l Bacteria	
Tetrapotassium pyrophosphate (7320-34-5)		
LC50 - Fish [2]	> 750 mg/l (48h, Leuciscus idus)	
LC50 - Other aquatic organisms [2]	> 750 mg/l (Fish (Golden Orfe))	
12.2. Persistence and degradability		
DPF Doctor		
Persistence and degradability	Rapidly degradable	
(2-methoxymethylethoxy)propanol (34590-94-8)		
Persistence and degradability	Rapidly degradable	
3-butoxypropan-2-ol (5131-66-8)		
Persistence and degradability	Rapidly degradable	
Butane (106-97-8)		
Persistence and degradability	Rapidly degradable	
Propane (74-98-6)		
Persistence and degradability	Rapidly degradable	

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2-Aminoethanol (141-43-5)	
Persistence and degradability	Rapidly degradable
C6 Alkyl glucoside (54549-24-5)	
Persistence and degradability	Rapidly degradable
Alcohol ethoxylate (68439-45-2)	
Persistence and degradability	Rapidly degradable
Tetrapotassium pyrophosphate (7320-34-5)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties No additional information available	
12.7. Other adverse effects	
DPF Doctor	
General information(s)	Do not discharge into drains or rivers, Avoid release to the environment.

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Regional waste regulation	: Disposal must be done according to official regulations.
European List of Waste (LoW, EC 2000/532)	: 15 01 04 - metallic packaging

15 01 04 - metallic packaging 07 06 04* - other organic solvents, washing liquids and mother liquors

SECTION 14: Transport information	
In accordance with ADR / IMDG / IATA	
14.1. UN number or ID number	
Not regulated for transport	
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: AEROSOLS, flammable
Proper Shipping Name (IMDG)	AEROSOLS
Proper Shipping Name (IATA)	: Aerosols, flammable
Transport document description (ADR) (ADR)	: UN 1950 AEROSOLS, flammable, 2.1, (D)
Transport document description (IMDG)	: UN 1950 AEROSOLS, 2.1
Transport document description (IATA)	: UN 1950 Aerosols, flammable, 2.1
14.3. Transport hazard class(es) ADR	
Transport hazard class(es) (ADR)	: 2.1
Danger labels (ADR)	: 2.1
IMDG	
Transport hazard class(es) (IMDG)	: 2.1
Danger labels (IMDG)	: 2.1
;; ()	

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Transport hazard class(es) (IATA)	: 2.1
Danger labels (IATA)	: 2.1
14.4. Packing group Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
14.5. Environmental hazards	
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Further information	: No supplementary information available
14.6. Special precautions for user	
Overland transport	- 11
Limited quantities (ADR) Excepted quantities (ADR)	: 1I : E0
Tunnel restriction code	: E0 : D
Transport by sea	
No data available	
Air transport	
No data available	
14.7. Maritime transport in bulk acco	rding to IMO instruments
Not applicable	
SECTION 15: Regulatory informa	tion
	al regulations/legislation specific for the substance or mixture
EU Regulations	
Ingredients according to the Regulation (EC)) : 5-15% aliphatic hydrocarbons, < 5% non-ionic surfactants, < 5% phosphates
648/2004 on detergents	, · · · · · · · · · · · · · · · · · · ·
REACH Annex XVII (Restriction List)	
Contains no substance(s) listed on REACH	Annex XVII (Restriction Conditions)
REACH Annex XIV (Authorisation List) Contains no substance(s) listed on REACH /	Appex XIV (Authorisation List)
REACH Candidate List (SVHC)	
Contains no substance(s) listed on the REAC	CH Candidate List
PIC Regulation (Prior Informed Consent)	
Contains no substance(s) listed on the PIC li	ist (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
POP Regulation (Persistent Organic Pollu	utants)
Contains no substance(s) listed on the POP	list (Regulation EU 2019/1021 on persistent organic pollutants)
Ozone Regulation (2024/590)	
	e Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)
Council Regulation (EC) for the control of	f dual-use items
- , ,	ICIL REGULATION (EC) for the control of dual-use items
-	
VOC Directive (2004/42)	
V.O.C. (V.O.S.)	: 248,3 g/l
Explosives Precursors Regulation (EU 20	
	19/1148) osives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Last revision	
	Supersedes	
2.3		
8.1		
8.2		
9.1		
9.2		
11.2.		
12.6		
12.7		
15		
16		

Full text of H- and EUH-statements:		
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aerosol 1	Aerosol, Category 1	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Gas 1A	Flammable gases, Category 1A	
Press. Gas	Gases under pressure	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H229	Pressurised container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	

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Full text of H- and EUH-statements:	
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335 May cause respiratory irritation.	

PC35 Washing and cleaning products (including solvent based products) PROC11 Non-industrial spraying PROC7 Industrial spraying	
PROC7 Industrial spraying	
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)	
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites	

SDS PCS Innotec 2025

Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.