



Diesel Detox Professional

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 13-8-2014 Revision date: 11-12-2020 Supersedes: 25-8-2020 version: 1.4

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

1.1. Product identifier

Trade name : Diesel Detox Professional
 UFI : TU3K-U5YV-F00R-YYME
 Product code : AD08000

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

1.2.1. Relevant identified uses

Main use category : Professional use
 Function or use category : Fuel additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

MPM International Oil Company
 Cyclotronweg 1
 2629 HN Delft Delft - Nederland
 T +31 (0)15 2514030 - F +31 (0)15 2514031
msds@mpmoil.nl - www.mpmoil.nl

1.4. Emergency telephone number

Emergency number : +31 (0)15 2514030 (08.00 - 17.00 GMT+1)

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aspiration hazard, Category 1 H304
 Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
 Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

CLP Signal word : Danger.
 Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.
 H412 - Harmful to aquatic life with long lasting effects.
 Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
 P102 - Keep out of reach of children.
 P273 - Avoid release to the environment.
 P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.
 P331 - Do NOT induce vomiting.
 P405 - Store locked up.
 P501 - Dispose of contents and container to an approved waste disposal plant.

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EUH-statements : EUH044 - Risk of explosion if heated under confinement.
EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha (petroleum), hydrotreated heavy	(CAS-No.) 64742-48-9 (EC-No.) 649-327-00-6 (EC Index-No.) 918-481-9 (REACH-no) 01-2119457273-39	50 – 100	Asp. Tox. 1, H304
2-Ethylhexyl, Nitrate	(CAS-No.) 27247-96-7 (EC-No.) 248-363-6 (REACH-no) 01-2119539586-27	9 – 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411 (M=0)
Solvent Naphta (Petroleum), Heavy Aromatic	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3 (REACH-no) 01-2119463588-24	0,7 – 1	Carc. 2, H351 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
2-Ethylhexanol	(CAS-No.) 104-76-7 (EC-No.) 203-234-3 (REACH-no) 01-2119487289-20	0,7 – 1	Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General : Never give anything by mouth to an unconscious person.

After inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. In case of unconsciousness place in unconscious position and seek medical advice.

After skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

After eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a specialist.

After ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Aspiration hazard. If victim is at risk of losing consciousness, position and transport on their side.

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

After inhalation : Irritation of the respiratory tract. Vapours may cause drowsiness and dizziness.

After skin contact : Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis.

After eye contact : Eye irritation.

After ingestion : Aspiration hazard. Ingestion may cause nausea, vomiting and diarrhea. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

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

Symptoms of respiratory complications (lung oedema) may occur several hours after.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable extinguishing media : High power water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : On heating/burning: release of (highly) toxic gases/vapours e.g.: carbon monoxide - carbon dioxide. May form flammable/explosive vapour-air mixture.

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5.3. Advice for firefighters

Precautionary measures fire	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Use a water spray to cool exposed surfaces and to protect fire-fighters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Do not breathe gas/fumes/vapour/spray. Ensure adequate ventilation, especially in confined areas.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Absorb remaining liquid in sand or inert absorbent and remove to safe place.

6.4. Reference to other sections

Information on personal protective equipment - see Chapter 8. Information on disposal - see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Obtain special instructions before use. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Ensure adequate air ventilation.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep only in the original container in a cool, well-ventilated place.
Storage conditions	: Keep container tightly closed. Keep cool. Store in a dry place.
Information on mixed storage	: May react violently with oxidants.
Storage area	: Store according to local legislation.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Naphtha (petroleum), hydrotreated heavy (64742-48-9)		
EU	Local name	White spirit Type 3
EU	IOELV TWA (mg/m ³)	116 mg/m ³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m ³)	290 mg/m ³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	Skin. (Year of adoption 2007)
EU	Regulatory reference	SCOEL Recommendations
Germany	TRGS 910 Acceptable concentration notes	

2-Ethylhexyl, Nitrate (27247-96-7)

EU	IOELV TWA (mg/m ³)	5,4 mg/m ³ long term value
EU	IOELV TWA (ppm)	1 ppm long term value
Germany	TRGS 910 Acceptable concentration notes	
United Kingdom	WEL TWA (mg/m ³)	5,4 mg/m ³ long term value
United Kingdom	WEL TWA (ppm)	1 ppm long term value

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Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)		
EU	IOELV TWA (mg/m ³)	500 mg/m ³
Germany	TRGS 910 Acceptable concentration notes	

2-Ethylhexanol (104-76-7)		
EU	Local name	2-ethylhexan-1-ol
EU	IOELV TWA (mg/m ³)	5,4 mg/m ³
EU	IOELV TWA (ppm)	1 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
Germany	TRGS 910 Acceptable concentration notes	
Ireland	Local name	2-Ethylhexan-1-ol
Ireland	OEL (8 hours ref) (mg/m ³)	5,4 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	1 ppm
Ireland	Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom	Local name	2-ethylhexan-1-ol
United Kingdom	WEL TWA (mg/m ³)	5,4 mg/m ³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Additional information : Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40) 1200mg/m³

8.2. Exposure controls

Technical measures:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves.

Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

Hand protection:

Wear suitable gloves resistant to chemical penetration

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	>0.35		

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Suitable respiratory protective equipment: Full-/Half-/Quarter-Masks (DIN EN 136/140). [In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: > 62 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 1 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,81 g/cm ³
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: < 7 mm ² /s @ 100°C
Viscosity, dynamic	: No data available
Explosive properties	: Flammable or explosive vapour/air mixtures may be formed. Product is not explosive.
Oxidising properties	: No data available
Explosive limits	: 0,6 – 7 vol %
Lower explosive limit (LEL)	: 0,6 vol %
Upper explosive limit (UEL)	: 7 vol %

9.2. Other information

VOC content : 739,8 g/l EU, 1993/13/EC

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No naked flames, sparks, and do not smoke. Do not breathe vapour/aerosol.

10.5. Incompatible materials

Strong oxidizing agent.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	14002 mg/kg
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Naphtha (petroleum), hydrotreated heavy (64742-48-9)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat (Vapours)	21 mg/l/4h

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2-Ethylhexyl, Nitrate (27247-96-7)

LD50 oral rat	> 960 mg/kg
LD50 dermal rabbit	4820 µg/kg
LC50 Inhalation - Rat	> 4,6 ml/m ³

Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other:EPA Fed Reg Vol 50, No. 188 1985 and as amended in Fed Reg Vol 52, No. 97, 1987
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat (Vapours)	> 5 mg/l/4h

2-Ethylhexanol (104-76-7)

LD50 oral rat	2049 mg/kg
LD50 dermal rabbit	1970 mg/kg
LC50 Inhalation - Rat	2,5 mg/l/4h

Skin corrosion/irritation	: Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

2-Ethylhexanol (104-76-7)

NOAEL (chronic, oral, animal/male, 2 years)	750 mg/kg bodyweight
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Reproductive toxicity	: Not classified
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Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

NOAEL (animal/male, F0/P)	35 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:OPPTS 870.3650 Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test
NOAEL (animal/female, F0/P)	125 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:OPPTS 870.3650 Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test

STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

2-Ethylhexyl, Nitrate (27247-96-7)

NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg bodyweight EPA OPP 82-2 (21/28 D)
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Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

LOAEC (inhalation, rat, vapour, 90 days)	4,71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
NOAEC (inhalation, rat, vapour, 90 days)	2,355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)

2-Ethylhexanol (104-76-7)

NOAEC (inhalation, rat, gas, 90 days)	120 ppm OECD Guideline 413
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Aspiration hazard	: May be fatal if swallowed and enters airways.
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Viscosity, kinematic	< 7 mm ² /s @ 100°C
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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) : Harmful to aquatic life with long lasting effects.

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

LC50 other aquatic organisms 1	2200 mg/l Pimephales promelas
EC50 other aquatic organisms 1	2,6 mg/l Chaetogammarus marinus

2-Ethylhexyl, Nitrate (27247-96-7)

LC50 fish 1	2 mg/l @96h fish
EC50 Daphnia 1	> 12,6 mg/l @48h Daphnia magna
EC50 other aquatic organisms 1	> 12,6 mg/l @72h Algae
EC50 72h algae (1)	3,22 mg/l pseudokirchneriella subcapitata
EC50 72h algae (2)	1,57 mg/l Pseudokirchneriella subcapitata

Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

LC50 fish 1	1 – 10 mg/l @96h
LC50 fish 2	0,58 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LC50 other aquatic organisms 1	1 – 10 mg/kg @72h algae
EC50 Daphnia 1	1 – 10 mg/l @48h
EC50 Daphnia 2	0,76 mg/l Test organisms (species): Daphnia magna

2-Ethylhexanol (104-76-7)

LC50 fish 1	17,1 mg/l @96h Leuciscus idus
LC50 fish 2	17,1 mg/l leuciscus idus melanotus
EC50 Daphnia 1	39 mg/l @48h Daphnia magna
EC50 other aquatic organisms 1	11,5 mg/l @72h Algae Scenedesmus subspicatus
EC50 72h algae (1)	28,2 mg/l pimephales promelas
EC50 72h algae (2)	16,6 mg/l Desmodesmus subspicatus

12.2. Persistence and degradability

2-Ethylhexyl, Nitrate (27247-96-7)

Persistence and degradability	Poorly biodegradable.
Biodegradation	0 % @28d

Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

Persistence and degradability	Poorly biodegradable.
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2-Ethylhexanol (104-76-7)

Persistence and degradability	Readily biodegradable.
Biodegradation	> 95 % @5d

12.3. Bioaccumulative potential

2-Ethylhexyl, Nitrate (27247-96-7)

Bioconcentration factor (BCF REACH)	1332
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Log Pow	> 0 (3,74 – 5,24)
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Solvent Naphta (Petroleum), Heavy Aromatic (64742-94-5)

Bioconcentration factor (BCF REACH)	< 100
Log Pow	3,8 – 4,8

2-Ethylhexanol (104-76-7)

Bioconcentration factor (BCF REACH)	25,33
Log Kow	2,9

12.4. Mobility in soil

2-Ethylhexyl, Nitrate (27247-96-7)

Log Koc	3,8
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Hand over to officially registered waste disposal company. Recycle the material as far as possible. Waste suitable for incineration.
Waste materials	: Dispose of contents/container in accordance with licensed collector's sorting instructions and in accordance to local and regional legislation.
European List of Waste (LoW) code	: 13 07 03* - other fuels (including mixtures)

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG
14.1. UN number	
Not applicable	Not applicable
14.2. UN proper shipping name	
Not applicable	Not applicable
14.3. Transport hazard class(es)	
Not applicable	Not applicable
14.4. Packing group	
Not applicable	Not applicable
14.5. Environmental hazards	
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No
No supplementary information available	

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

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Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 739,8 g/l EU, 1993/13/EC

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
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
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH044	Risk of explosion if heated under confinement.
EUH066	Repeated exposure may cause skin dryness or cracking.

SDS MPM REACH

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.