Motor Oil 15W-40 Extra High Performance Diesel Truck

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 7-5-2010 Revision date: 26-10-2020 Supersedes: 16-4-2020 version: 4.4

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

1.1. Product identifier

Product form : Mixture
Product name : Motor Oil 15W-40 Extra High Performance Diesel Truck
Product code : 04000AC
Type of product : Neutral
Product group : Blend

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
Industrial/Professional use spec : Non-dispersive use
Used in closed systems
Use of the substance/mixture : Automotive care products
Function or use category : Lubricants and additives

1.2.2. Uses advised against

Restrictions on use : Use only as described in section 1.2.1 or contact supplier for advice.

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]

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]

CLP Signal word : -
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP) : P273 - Avoid release to the environment.
P501 - Dispose of contents and container to an approved waste disposal plant.
EUH-statements : EUH208 - Contains Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts, Benzene, polypropene derivatives, sulfonated, calcium salts. May produce an allergic reaction.

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]
distillates (petroleum), hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	5 – 20	Asp. Tox. 1, H304
Reaction products of benzeneamine, N-phenyl- with nonene (branched)	(CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28	1 – 2,49	Aquatic Chronic 4, H413 (M=0)
Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts	(CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26	1 – 2,49	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts	(CAS-No.) 70024-69-0 (EC-No.) 274-263-7 (REACH-no) 01-2119492616-28	0,1 – 0,99	Skin Sens. 1B, H317
Benzene, polypropene derivatives, sulfonated, calcium salts	(EC-No.) 939-141-6 (EC Index-No.) POLYMER (REACH-no) 01-2120040541-70	0,1 – 0,99	Skin Sens. 1B, H317
Dodecylphenol, mixed isomers (branched)	(CAS-No.) 121158-58-5 (EC-No.) 310-154-3 (EC Index-No.) 604-092-00-9 (REACH-no) 01-2119513207-49	0,01 – 0,15	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F STOT RE 1, H372 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10)
diphenylamine	(CAS-No.) 122-39-4 (EC-No.) 204-539-4 (EC Index-No.) 612-026-00-5	0,01 – 0,15	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts	(CAS-No.) 84605-29-8 (EC-No.) 283-392-8 (REACH-no) 01-2119493626-26	(6,25 ≤C < 100) Skin Irrit. 2, H315 (10 ≤C < 12,5) Eye Irrit. 2, H319 (12,5 ≤C < 100) Eye Dam. 1, H318

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation : No special protection required.

After skin contact : Gently wash with plenty of soap and water.

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

After ingestion : Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

After inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

After skin contact : May cause an allergic skin reaction.

After eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

After ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, CO2, dry sand, or alcohol-resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Other information : 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. Exercise caution when fighting any chemical fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable protective clothing and gloves.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if liquid 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 : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Clean with the help of detergents.

Other information : If spilled, may cause the floor to be slippery.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection". Information on safe handling - see Section 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Handling temperature : < 40 °C

Hygiene measures : 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

Incompatible products : Oxidizing agent. acids and bases.

Storage temperature : < 40 °C

Storage area : Keep in a cool, well-ventilated place. Store in a closed container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

diphenylamine (122-39-4)		
Germany	TRGS 910 Acceptable concentration notes	
Ireland	Local name	Diphenylamine
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	20 mg/m³
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom	Local name	Diphenylamine
United Kingdom	WEL TWA (mg/m³)	10 mg/m³
United Kingdom	WEL STEL (mg/m³)	20 mg/m³
United Kingdom	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
EU	IOELV TWA (mg/m³)	5 mg/m³
EU	IOELV STEL (mg/m³)	10 mg/m³
Germany	TRGS 910 Acceptable concentration notes	

Additional information : Based on ACGIH TLV, a concentration of 5 mg/m3 oilspray (TWA, 8 hour workday) is recommended.

8.2. Exposure controls

Technical measures:

Ensure good ventilation of the work station.

Personal protective equipment:

Safety glasses. Gloves.

Materials for protective clothing:

Neoprene

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 goggles

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily.
Colour	: amber.
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	: No data available
Flash point	: > 200 °C ASTM D 92
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 874 g/l @ 15°C
Solubility	: Slightly soluble, the product remains on the water surface. Water: practically insoluble

Log Pow	: No data available
Viscosity, kinematic	: 93 mm²/s @ 100°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Softening point : -27 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

None under normal conditions.

10.5. Incompatible materials

Oxidizing agent. acids and bases.

10.6. Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx), NH3, sulphur compounds.

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

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
LD50 oral rat	> 5000 mg/m³ (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	
LD50 oral rat	3150 mg/kg OECD 401
LD50 dermal rat	> 2002 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	≥ 2000 mg/kg OECD 402
LC50 Inhalation - Rat	≥ 5 mg/l/4h

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)	
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rabbit	> 5000 mg/kg OECD 402
LC50 Inhalation - Rat	> 1,9 mg/l air EPA OPP 81-3
LC50 Inhalation - Rat (Vapours)	> 1,7 mg/l/4h EPA OPP 81-3

Dodecylphenol, mixed isomers (branched) (121158-58-5)	
LD50 oral rat	2100 mg/kg OECD 401
LD50 dermal rabbit	15000 mg/kg OECD 402

diphenylamine (122-39-4)	
LD50 oral rat	> 600 mg/kg

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rat	2000 ml/kg
LC50 Inhalation - Rat	> 5 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)	
NOAEL (acute, oral, animal/male)	> 500 mg/kg bodyweight OECD 407

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
NOAEL (dermal, rat/rabbit)	> 2000 mg/kg bodyweight

STOT-repeated exposure : Not classified

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	
NOAEL (oral, rat, 90 days)	160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)	
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight OECD 407
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight OECD 410

Dodecylphenol, mixed isomers (branched) (121158-58-5)	
NOAEL (subacute, oral, animal/male, 28 days)	1,5 mg/kg bodyweight
NOAEL (subacute, oral, animal/female, 28 days)	15 mg/kg bodyweight OECD 416

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight OECD 408
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight/day
NOAEL (subacute, oral, animal/male, 28 days)	> 220 mg/kg bodyweight
NOAEL (subchronic, oral, animal/male, 90 days)	> 980 mg/kg bodyweight

Aspiration hazard : Not classified

Motor Oil 15W-40 Extra High Performance Diesel Truck	
Viscosity, kinematic	93 mm²/s @ 100°C

SECTION 12: Ecological information

12.1. Toxicity

General : Harmful to aquatic life with long lasting effects.
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.

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
LC50 fish 1	> 100 mg/l Brachydanio rerio
LC50 other aquatic organisms 1	600 mg/l @ 72h (Algea)

EC50 Daphnia 1	> 100 mg/l Daphnia magna
EC50 other aquatic organisms 1	> 100 mg/l OECD 201 (Desmodesmus subspicatus @72h)
EC50 72h algae (1)	500 mg/l Chlorophyta
EC50 72h algae (2)	> 100 mg/l Desmodesmus subspicatus
EC50 96h algae (1)	870 mg/l
NOEC chronic algae	33 mg/l @ 96h

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	
LC50 fish 1	4,5 mg/l Oncorhynchus mykiss OECD 203
LC50 fish 2	46 mg/l Cyprinodon variegatus
LC50 other aquatic organisms 1	≥ 10000 mg/l 3h bacteria
EC50 Daphnia 1	23 mg/l OECD 202
EC50 Daphnia 2	0,8 mg/l @21d
EC50 other aquatic organisms 2	10000 mg/l @0.1d - Chlorophyta
EC50 72h algae (1)	21 mg/l @3d - Chlorophyta
ErC50 (algae)	21 mg/l 72h Desmodesmus subspicates OECD 201
NOEC (acute)	1,8 mg/l @4d - Oncorhynchus mykiss
NOEC (chronic)	10 mg/l @2d - Daphnia
NOEC chronic fish	0,4 mg/l @21d - Daphnia
NOEC chronic algae	10 mg/l @3d - Chlorophyta

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)	
LC50 fish 1	> 1000 mg/l pimephales promelas
LC50 fish 2	> 10000 mg/l cyprinodon variegatus
EC50 Daphnia 1	> 1000 mg/l
EC50 other aquatic organisms 2	> 10000 mg/l 0.1d - slib
EC50 72h algae (1)	> 1000 mg/l Pseudokirchneriella subcapitata
EC50 96h algae (1)	> 1000 mg/l Chlorophyta

Dodecylphenol, mixed isomers (branched) (121158-58-5)	
LC50 fish 1	40 mg/l Pimephales promelas
EC50 Daphnia 1	0,037 mg/l
EC50 Daphnia 2	0,0079 mg/l @21d
EC50 other aquatic organisms 1	0,36 Chlorophyta
EC50 other aquatic organisms 2	> 1000 mg/l @0.1d - slib
EC50 72h algae (1)	0,15 mg/l OECD 201 Desmodesmus subspicatus
EC50 72h algae (2)	0,36 mg/l Desmodesmus subspicatus
EC50 96h algae (2)	> 0,58 mg/l Mysidopsis Bahia
ErC50 (algae)	0,36 mg/l 21d
LOEC (chronic)	0,012 mg/l Daphnia magna @ 21d
NOEC (chronic)	0,0037 mg/l @21d - Daphnia

diphenylamine (122-39-4)	
LC50 fish 1	0,1 – 1 mg/l @ 96 h
EC50 Daphnia 1	0,31 mg/l @ 48 h
EC50 other aquatic organisms 2	1,5 mg/l @ 72 h , Algae

EC50 96h algae (1)	1,51 mg/l Chlorophyta
NOEC (chronic)	0,16 mg/l @ 21 d (Daphnia Magna)

distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 fish 1	> 100 mg/l

12.2. Persistence and degradability

Motor Oil 15W-40 Extra High Performance Diesel Truck	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % @28d

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	1,5 % @28d OECD TG 301 B

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)	
BOD (% of ThOD)	8 % ThOD 28d - OECD TG 301 D

Dodecylphenol, mixed isomers (branched) (121158-58-5)	
Biodegradation	25 % Sturm-test @28d

diphenylamine (122-39-4)	
Biodegradation	26 % @ 28d Closed bottle OECD TG 301 D

12.3. Bioaccumulative potential

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
Bioconcentration factor (BCF REACH)	1585
Log Pow	> 7,6
Log Kow	10,88 -
Bioaccumulative potential	Bioaccumulative potential.

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	
Log Kow	0,56 Measurements
Bioaccumulative potential	not bioaccumulable.

Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts (70024-69-0)	
Log Kow	4,46 – 10,88 OECD 107/117

Dodecylphenol, mixed isomers (branched) (121158-58-5)	
Bioconcentration factor (BCF REACH)	497,33 7,1 @0,1d
Log Kow	7,1 @ 0,1d

diphenylamine (122-39-4)	
Bioconcentration factor (BCF REACH)	51 - 253
Log Kow	3,4 Arithmetic
Bioaccumulative potential	Moderate bioconcentration.

12.4. Mobility in soil

Reaction products of benzeneamine, N-phenyl- with nonene (branched) (36878-20-3)	
Log Koc	> 2000
Soil	Adsorbs into the soil.

Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	
Soil	No data available.

Dodecylphenol, mixed isomers (branched) (121158-58-5)	
Soil	No data available.

diphenylamine (122-39-4)	
Mobility in soil	365
Log Koc	2,54
Soil	Low mobility (soil).

12.5. Results of PBT and vPvB assessment

Component	
Phosphorodithioic acid, mixed 0,0-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (84605-29-8)	The product does not meet the PBT and vPvB classification criteria
diphenylamine (122-39-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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 : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : an approved waste disposal plant.

Waste disposal recommendations : Disposal must be done according to official regulations.

European List of Waste (LoW) code : 13 02 00 - waste engine, gear and lubricating oils
13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

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

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

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

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Substances 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: Diphenylamine (122-39-4)
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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

Section	Changed item	Change	Comments
	SDS EU format	Added	
	Supersedes	Added	
	Revision date	Modified	
1.1	Name	Added	
1.2	Main use category	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Removed	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Modified	
2.2	EUH-statements	Added	
2.2	Extra phrases	Added	
2.2	CLP Signal word	Removed	
2.2	Hazard pictograms (CLP)	Removed	
2.2	Precautionary statements (CLP)	Removed	
2.2	S-phrases	Modified	
2.2	Hazard statements (CLP)	Removed	
3	Composition/information on ingredients	Modified	

4.1	General	Removed	
4.1	After skin contact	Modified	
4.1	After ingestion	Modified	
4.1	After eye contact	Modified	
5.3	Firefighting instructions	Added	
5.3	Other information	Modified	
5.3	Protection during firefighting	Removed	
6.1	Protective equipment	Modified	
6.1	Protective equipment	Modified	
6.1	General measures	Removed	
6.2	Environmental precautions	Modified	
7.1	Handling temperature	Added	
7.1	Precautions for safe handling	Modified	
7.2	Technical measures	Removed	
7.2	Storage conditions	Removed	
9.1	Viscosity, kinematic	Modified	
9.1	Density	Modified	
9.1	Flash point	Modified	
9.1	Solubility	Added	
9.2	Softening point	Added	
11.1	Reason for no classification	Added	
12.2	Persistence and degradability	Added	
16	Abbreviations and acronyms	Added	

Abbreviations and acronyms:	
	ACGIH: American Conference of Governmental Industrial Hygienists. TWA: Time Weighted Average. TLV: Threshold Limit Value. ASTM: American Society for Testing and Materials . ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route . RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail . ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin. IMDG: International Maritime Dangerous Goods. ICAO: International Civil Aviation Organization . IATA: International Air Transport Association. STEL: Short Term Exposure Limit. LD50: median Lethal Dose for 50% of subjects. ATE: acute toxicity estimate. LC50: median Lethal Concentration for 50% of subjects. EC50: concentration producing 50% effect.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic 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
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H360F	May damage fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains Benzenesulfonic acid, mono-C16-24 alkyd derivatives, calcium salts, Benzene, polypropene derivatives, sulfonated, calcium salts. May produce an allergic reaction.

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.