



MAROIL S.R.L.

Revision nr. 4

Dated 18/04/2023

DCTF Speed Multivehicle

Printed on 18/04/2023

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Replaced revision:3 (Printed on: 05/11/2021)

## Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Code: M 427  
Product name: DCTF Speed Multivehicle

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

Intended use: Lubricating oil for automatic transmissions

#### 1.3. Details of the supplier of the safety data sheet

Name: MAROIL S.R.L.  
Full address: LOC. PONTE ALLA CILIEGIA  
District and Country: 55011 MARGINONE ALTOPASCIO (LU)  
ITALIA  
Tel. 0583/28731  
Fax 0583/286542

e-mail address of the competent person responsible for the Safety Data Sheet: msds@bardahl.it

#### 1.4. Emergency telephone number

For urgent inquiries refer to:  
Numeri telefonici dei principali Centri Antiveleni italiani (attivi 24/24 ore)  
Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)  
Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca` Granda - Milano)  
Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)  
Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)  
Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)  
Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)  
Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

#### 2.2. Label elements



## DCTF Speed Multivehicle

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:

**EUH210** Safety data sheet available on request.  
**EUH208** Contains: 2-tetradecyloxirane, reaction products with boric acid  
May produce an allergic reaction.

Precautionary statements: --

### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

## SECTION 3. Composition/information on ingredients

### 3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
<b>lubricating oils (petroleum), C20-50, based on neutral oil</b> INDEX 649-483-00-5	$62 \leq x < 66$	Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP Regulation: L
EC 276-738-4 CAS 72623-87-1 REACH Reg. 01-2119474889-13		
<b>1-Decene, homopolymer, hydrogenated</b> INDEX -	$15 \leq x < 16,5$	Asp. Tox. 1 H304
EC 500-183-1 CAS 68037-01-4 REACH Reg. 01-2119486452-34		
<b>Mineral oil</b> INDEX -	$10 \leq x < 11,5$	Asp. Tox. 1 H304
EC - CAS - REACH Reg. Miscela		
<b>Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic)</b>		



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INDEX -	$2 \leq x < 2,5$	Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC 701-204-9		
CAS -		
REACH Reg. 01-2119960832-33		
<b>Distillates (petroleum), hydrotreated light paraffinic</b>		
INDEX 649-468-00-3	$2 \leq x < 2,5$	Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP Regulation: L
EC 265-158-7		
CAS 64742-55-8		
REACH Reg. 01-2119487077-29		
<b>dibutyl-phosphonate</b>		
INDEX -	$1 \leq x < 1,5$	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC 217-316-1		
CAS 1809-19-4		
REACH Reg. 01-2119967767-15		
<b>2-Propenoic acid, 2-methyl-, C10-20-alkyl esters, polymers with Me methacrylate</b>		
INDEX	$1 \leq x < 1,5$	Eye Irrit. 2 H319
EC		
CAS -		
REACH Reg. Polimero		
<b>1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol</b>		
INDEX -	$1 \leq x < 1,5$	Aquatic Chronic 3 H412
EC 293-927-7		
CAS 91648-65-6		
REACH Reg. 01-2119976351-35		
<b>2-tetradecyloxirane, reaction products with boric acid</b>		
INDEX -	$0,89 \leq x < 1$	Skin Sens. 1B H317
EC 701-392-2		
CAS -		
REACH Reg. 01-2119976364-28		
<b>methyl-1H-benzotriazole</b>		
INDEX -	$0,2 \leq x < 0,25$	Repr. 2 H361, Acute Tox. 4 H302, Aquatic Chronic 2 H411
EC 249-596-6		LD50 Oral: 720 mg/kg
CAS 29385-43-1		
REACH Reg. 01-2119979081-35		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

#### Mineral oil

The mineral oil contained can be described by one or more of the following: EC No. 265-157-1, Registration No. 01-2119484627-25, Distillates (petroleum), hydrotreated heavy paraffinic; EC No. 265-169-7, Registration No. 01-2119471299-27, Distillates (petroleum), solvent-dewaxed heavy paraffinic, EC No. 265-158-7, Registration No. 01-2119487077-29, Distillates (petroleum), hydrotreated light paraffinic; EC No. 265-159-2, Registration No. 01-2119480132-48, Distillates (petroleum), solvent-dewaxed light paraffinic.



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## SECTION 4. First aid measures

### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

### 5.2. Special hazards arising from the substance or mixture

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.



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6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ITA Italia Decreto Legislativo 9 Aprile 2008, n.81

Mineral oil

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm

VLEP	ITA	5		
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Predicted no-effect concentration - PNEC

Normal value for the food chain (secondary poisoning)	9,33	mg/kg
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Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers			
	Acute local	Acute systemic	Chronic local	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral					0,74 mg/kg		

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Inhalation	1,19 mg/m3	5,58 mg/m3	2,73 mg/m3
Skin			0,97 mg/kg

**Distillates (petroleum), hydrotreated light paraffinic****Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min	Remarks / Observations	
		mg/m3	ppm	mg/m3	ppm

VLEP	ITA	5						
<b>Health - Derived no-effect level - DNEL / DMEL</b>								
		Effects on consumers			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,74 mg/kg bw/d				
Inhalation			1,2 mg/m3				5,6 mg/m3	2,7 mg/m3
Skin								1 mg/kg bw/d

**1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol**

## Predicted no-effect concentration - PNEC

Normal value in fresh water	0,041	mg/l
Normal value in marine water	0,004	mg/l
Normal value for fresh water sediment	380,62	mg/kg
Normal value for marine water sediment	38,06	mg/kg
Normal value of STP microorganisms	8000	mg/l
Normal value for the food chain (secondary poisoning)	6,67	mg/kg
Normal value for the terrestrial compartment	308,96	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

		Effects on consumers			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,625 mg/kg				
Inhalation				1,087 mg/m3				4,408 mg/m3
Skin				3,125 mg/kg				6,25 mg/kg

**dibutyl-phosphonate**

## Predicted no-effect concentration - PNEC

Normal value in fresh water	0,014	mg/l
Normal value in marine water	0,001	mg/l
Normal value for fresh water sediment	0,526	mg/kg
Normal value for marine water sediment	0,053	mg/kg
Normal value of STP microorganisms	1000	mg/l
Normal value for the terrestrial compartment	0,115	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

		Effects on consumers			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				2,5 mg/kg				



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Inhalation	8,75 mg/m3	49 mg/m3
Skin	2,5 mg/kg	7 mg/kg

**methyl-1H-benzotriazole**

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,008	mg/l
Normal value in marine water	0,008	mg/l
Normal value for fresh water sediment	0,003	mg/kg
Normal value for marine water sediment	0,003	mg/kg
Normal value of STP microorganisms	39,4	mg/l
Normal value for the terrestrial compartment	0,002	mg/kg

**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		0,25 mg/kg		0,25 mg/kg				
Inhalation				4,4 mg/m3				8,8 mg/m3
Skin				0,25 mg/kg				0,5 mg/kg

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

**8.2. Exposure controls**

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

**HAND PROTECTION**

Protect hands with category III work gloves (see standard EN 374). The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

**RESPIRATORY PROTECTION**

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited. If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear



open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	yellowish	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	196 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	not available	
Kinematic viscosity	32 mm <sup>2</sup> /sec (40°C)	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	0,844 kg/l	
Relative vapour density	not available	
Particle characteristics	not applicable	

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

Information not available

#### 9.2.2. Other safety characteristics

Viscosità a 100°C	6,8 cSt
Punto di scorrimento	-54°C
Viscosità a 40°C	32,4 cSt

## SECTION 10. Stability and reactivity





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#### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### 10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

#### 10.5. Incompatible materials

Information not available

#### 10.6. Hazardous decomposition products

Information not available

## SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

Information not available

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

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Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: Not classified (no significant component)  
ATE (Oral) of the mixture: Not classified (no significant component)  
ATE (Dermal) of the mixture: Not classified (no significant component)

Lubricating oils (petroleum), C20-50, based on neutral oil

LD50 (Dermal): > 2000 mg/kg Coniglio - OECD Guideline 402  
LD50 (Oral): > 5000 mg/kg Ratto - OECD Guideline 401  
LC50 (Inhalation vapours): > 5,53 mg/l/4h Ratto - OECD Guideline 403

1-Decene, homopolymer, hydrogenated

LD50 (Dermal): > 3000 mg/kg Coniglio - Equivalente o similare a OECD Guideline 402  
LD50 (Oral): > 5000 mg/kg Ratto - Equivalente o similare a OECD Guideline 423  
LC50 (Inhalation vapours): > 5,2 mg/l/4h Ratto - OECD Guideline 403

Distillates (petroleum), hydrotreated light paraffinic

LD50 (Dermal): > 5000 mg/kg OECD Guideline 402 - Coniglio  
LD50 (Oral): > 5000 mg/kg Ratto - OECD Guideline 401  
LC50 (Inhalation vapours): > 5,53 mg/l/4h OECD Guideline 403 - Ratto

Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic)

LD50 (Dermal): > 2000 mg/kg bw Rabbit - Equivalente o similare a OECD Guideline 402  
LD50 (Oral): > 5000 mg/kg bw Rat - Equivalente o similare a OECD Guideline 401

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol

LD50 (Dermal): > 2000 mg/kg Coniglio - Equivalente o Similare a OECD Guideline 402  
LD50 (Oral): > 10000 mg/kg Ratto - Equivalente o similare a OECD Guideline 401  
LC50 (Inhalation vapours): > 2,75 mg/l/4h Ratto - Equivalente o similare a OECD Guideline 403

dibutyl-phosphonate

LD50 (Dermal): 5000 mg/kg Coniglio - Equivalente o similare a OECD Guideline 434  
LD50 (Oral): > 3000 mg/kg Ratto - Equivalente o similare a OECD Guideline 420

methyl-1H-benzotriazole

LD50 (Dermal): > 2000 mg/kg Equivalente o similare a OECD Guideline 402 - Coniglio  
LD50 (Oral): 720 mg/kg Equivalente i similare a OECD Guideline 401 - Ratto



SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

2-tetradecyloxirane, reaction products with boric acid

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD



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Does not meet the classification criteria for this hazard class Viscosity: 32 mm<sup>2</sup>/sec (40°C)

### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

## SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

### 12.1. Toxicity

1-Decene, homopolymer, hydrogenated

LC50 - for Fish	> 1000 mg/l/96h Trota arcobaleno
EC50 - for Crustacea	> 1000 mg/l/48h Dafnia
Chronic NOEC for Crustacea	125 mg/l/21d Dafnia

Mineral oil

LC50 - for Fish	> 100 mg/l/96h Pimephales promelas
EC50 - for Crustacea	> 10000 mg/l/48h Dafnia
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Alghe verdi (Scenedesmus quadricauda)
Chronic NOEC for Crustacea	> 10 mg/l/21d Dafnia

dibutyl-phosphonate

LC50 - for Fish	> 63,4 mg/l/96h Danio rerio - OECD Guideline 203
EC50 - for Crustacea	20,8 mg/l/48h Daphnia Magna
EC50 - for Algae / Aquatic Plants	14,4 mg/l/72h Pseudokirchnerella subcapitata - OECD Guideline 201

Distillates (petroleum), hydrotreated light paraffinic

LC50 - for Fish	> 100 mg/l/96h Pimephales promelas
EC50 - for Crustacea	> 10000 mg/l/48h Daphnia magna - Equivalente o similare a OECD Guideline 202
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Alghe (Pseudokirchneriella subcapitata)
Chronic NOEC for Crustacea	10 mg/l/21d Pulce d'acqua (Daphnia magna)
Chronic NOEC for Algae / Aquatic Plants	> 100 mg/l/72h Alghe (Pseudokirchneriella subcapitata)

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol

LC50 - for Fish	> 1000 mg/l/96h Pimephales promelas
EC50 - for Crustacea	41 mg/l/48h Dafnia
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Alghe verdi



Chronic NOEC for Fish	1000 mg/l/96h Pimephales promelas
Chronic NOEC for Crustacea	32 mg/l/48h Dafnia
Chronic NOEC for Algae / Aquatic Plants	100 mg/l/72h Alghe verdi
methyl-1H-benzotriazole	
LC50 - for Fish	55 mg/l/96h Cyprinodon variegatus
EC50 - for Crustacea	8,58 mg/l/48h Dafnia
EC50 - for Algae / Aquatic Plants	53 mg/l/72h ISO 10253 - Skeletonema costatum
Chronic NOEC for Crustacea	18,4 mg/l/21d Daphnia Magna
Chronic NOEC for Algae / Aquatic Plants	30 mg/l Alga
Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic)	
LC50 - for Fish	> 1000 mg/l/96h Pimephales promelas
EC50 - for Crustacea	> 1000 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	94 mg/l/96h Alghe verdi
Chronic NOEC for Crustacea	32 mg/l/21d Daphnia magna
Chronic NOEC for Algae / Aquatic Plants	23 mg/l/96h Alghe verdi
2-tetradecyloxirane, reaction products with boric acid	
LC50 - for Fish	> 100 mg/l/96h Trota arcobaleno
EC50 - for Crustacea	> 100 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Alghe verdi
Chronic NOEC for Crustacea	10 mg/l/21d Daphnia magna

**12.2. Persistence and degradability**

lubricating oils (petroleum), C20-50, based on neutral oil  
Entirely degradable

OECD Guideline 301 F  
1-Decene, homopolymer, hydrogenated  
NOT rapidly degradable

OECD Guideline 301 D  
Mineral oil  
NOT rapidly degradable

OECD TG 301 B, 31 %, 28 d, Non facilmente degradabile.  
dibutyl-phosphonate

Rapidly degradable  
OECD Guideline 301 F  
Distillates (petroleum), hydrotreated light paraffinic  
NOT rapidly degradable

OECD TG 301 F, 31 %, 28 d



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1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol  
NOT rapidly degradable

OECD TG 301 C, 2 %, 28 d, Non facilmente degradabile.  
methyl-1H-benzotriazole  
NOT rapidly degradable

OECD TG 301 F, 4 %, 28 d, Non facilmente degradabile.  
Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic)  
NOT rapidly degradable

OECD TG 301 B, 4,5 %, 28 d, Non facilmente degradabile.  
2-tetradecyloxirane, reaction products with boric acid  
NOT rapidly degradable

Varie, 17,3 %, 28 d, Non facilmente degradabile.

### 12.3. Bioaccumulative potential

dibutyl-phosphonate

Partition coefficient: n-octanol/water 1,81 Log Kow

methyl-1H-benzotriazole

Partition coefficient: n-octanol/water 1,079 Log Kow 25°C

Reaction products of fatty acids, C14-C18 (branched and linear) and C18 (unsaturated) with tetraethylenepentamine (linear, branched, cyclic)

Partition coefficient: n-octanol/water > 9,36 Log Kow Misurato

### 12.4. Mobility in soil

Information not available

### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

### 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

### 12.7. Other adverse effects

Information not available



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## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

#### CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

### 14.1. UN number or ID number

not applicable

### 14.2. UN proper shipping name

not applicable

### 14.3. Transport hazard class(es)

not applicable

### 14.4. Packing group

not applicable

### 14.5. Environmental hazards

not applicable

### 14.6. Special precautions for user



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not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

### SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

None

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.



**DCTF Speed Multivehicle****SECTION 16. Other information**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Repr. 2</b>	Reproductive toxicity, category 2
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>Skin Sens. 1B</b>	Skin sensitization, category 1B
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H361</b>	Suspected of damaging fertility or the unborn child.
<b>H302</b>	Harmful if swallowed.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>EUH210</b>	Safety data sheet available on request.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).



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#### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
  2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
  3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
  4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
  5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
  6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
  7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
  8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
  9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
  10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
  11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
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  16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
  17. Regulation (EU) 2019/1148
  18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
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  21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
  22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - IFA GESTIS website
  - ECHA website
  - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.  
This document must not be regarded as a guarantee on any specific product property.  
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.  
Provide appointed staff with adequate training on how to use chemical products.

#### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

#### Changes to previous review:

The following sections were modified:

03.