



Telefax: +49 (0)5462/7470-33

Safety Data Sheet

ALPINE C48 Ready Mix -36°C

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

1.1. Product identifier

ALPINE C48 Ready Mix -36°C

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

Use of the substance/mixture

engine coolant

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: Mitan Mineralöl GmbH Street: Industriestraße 8 Place: D-49577 Ankum Telephone: +49 (0)5462/7470-50

e-mail: info@mitan-oil.de Internet: www.mitan-oil.de

Responsible Department: www.rmdar-on.de

Produktsicherheit / Product Safety

sicherheitsdatenblatt@mitan-oil.de

1.4. Emergency telephone Giftinformationszentrum Nord (Göttingen)

number: +49 (0)551/19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Acute Tox. 4; H302 STOT RE 2; H373

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Ethane-1,2-diol

Signal word: Warning

Pictograms:





Hazard statements

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P314 Get medical advice/attention if you feel unwell.





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P330 Rinse mouth.

P501 Dispose of contents / container in accordance with official regulations.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Inhibitor, Ethane-1,2-diol

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification		·	
107-21-1	Ethane-1,2-diol			45 - < 50 %
	203-473-3	603-027-00-1	01-2119456816-28	
	Acute Tox. 4, STOT RE 2; H302 H	373	·	
17265-14-4	Disodium sebacate			1 - < 5 %
	241-300-3		01-2120762063-61	
	Eye Irrit. 2; H319		·	
19766-89-3	Sodium 2-ethylhexanoate			1 - < 5 %
	243-283-8		01-2119972937-17	
	Repr. 2; H361d			
1330-43-4	disodium tetraborate, anhydrous			< 1 %
	215-540-4		01-2119490790-32	
	Repr. 1B, Eye Irrit. 2; H360FD H31	9		

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity		
	Specific Conc.	Limits, M-factors and ATE			
107-21-1	203-473-3	Ethane-1,2-diol	45 - < 50 %		
	dermal: LD50	= > 3500 mg/kg; oral: LD50 = 7712 mg/kg			
17265-14-4	241-300-3	Disodium sebacate	1 - < 5 %		
	dermal: LD50	= > 2000 mg/kg; oral: LD50 = > 5000 mg/kg			
19766-89-3	243-283-8	Sodium 2-ethylhexanoate	1 - < 5 %		
	dermal: LD50	= > 2000 mg/kg; oral: LD50 = 2043 mg/kg			
1330-43-4	215-540-4	disodium tetraborate, anhydrous	< 1 %		
	inhalation: LC50 = > 2,04 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2500 mg/kg				

Further Information

disodium tetraborate, anhydrous: This substance has been listed as SVHC (substance of very high concern) in the Candidate List according to Article 59 of REACH.

SECTION 4: First aid measures





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4.1. Description of first aid measures

General information

Take off contaminated clothing and wash it before reuse.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Provide fresh air. Medical treatment necessary. Call a doctor if you feel unwell.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth thoroughly with water.

Let water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Use water spray jet to protect personnel and to cool endangered containers.

Co-ordinate fire-fighting measures to the fire surroundings.

- alcohol resistant foam
- Extinguishing powder
- Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable. Formation of toxic gases is possible during heating or in case of fire.

In case of fire may be liberated:

- Carbon monoxide (CO)
- Carbon dioxide (CO2).
- Pyrolysis products, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Dispose of waste according to applicable legislation.





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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin, eyes and clothes.

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

For containment

Stop leak if safe to do so.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up

Collect in closed and suitable containers for disposal.

Treat the recovered material as prescribed in the section on waste disposal.

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Always close containers tightly after the removal of product.

Do not put any product-impregnated cleaning rags into your trouser pockets.

Clear spills immediately.

Use only in well-ventilated areas.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Keep only in the original container. Store in a cool dry place.

Hints on joint storage

Do not store together with:

- Materials capable of ignition under almost all normal temperature conditions
- Explosives

7.3. Specific end use(s)

engine coolant

SECTION 8: Exposure controls/personal protection

8.1. Control parameters





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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
1330-43-4	Disodium tetraborate, anhydrous	-	1		TWA (8 h)	WEL
107-21-1	Ethane-1,2-diol, vapour	20	52		TWA (8 h)	WEL
		40	104		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
107-21-1	Ethane-1,2-diol		•	
Worker DNEL,	long-term	inhalation	local	35 mg/m³
Worker DNEL,	long-term	dermal	systemic	106 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	local	7 mg/m³
Consumer DN	EL, long-term	dermal	systemic	53 mg/kg bw/day
17265-14-4	Disodium sebacate			
Worker DNEL,	long-term	inhalation	systemic	35,26 mg/m³
Worker DNEL,	long-term	dermal	systemic	10 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	8,7 mg/m³
Consumer DN	EL, long-term	dermal	systemic	5 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	5 mg/kg bw/day
19766-89-3	Sodium 2-ethylhexanoate			
Worker DNEL,	long-term	inhalation	systemic	14 mg/m³
Worker DNEL,	long-term	dermal	systemic	2 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	3,5 mg/m³
Consumer DN	EL, long-term	dermal	systemic	1 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	1 mg/kg bw/day
1330-43-4	disodium tetraborate, anhydrous			
Worker DNEL,	long-term	inhalation	systemic	6,7 mg/m³
Worker DNEL,	long-term	inhalation	local	17,04 mg/m³
Worker DNEL,	acute	inhalation	local	17,04 mg/m³
Worker DNEL,	long-term	dermal	systemic	316,4 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	3,4 mg/m³
Consumer DNEL, long-term		inhalation	local	17,04 mg/m³
Consumer DNEL, acute		inhalation	local	17,04 mg/m³
Consumer DN	EL, long-term	dermal	systemic	159,5 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	0,79 mg/kg bw/day





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PNEC values

CAS No	Substance			
Environmenta	I compartment	Value		
107-21-1	Ethane-1,2-diol	·		
Freshwater		10 mg/l		
Freshwater (in	Freshwater (intermittent releases)			
Marine water		1 mg/l		
Freshwater se	ediment	37 mg/kg		
Marine sedime	ent	3,7 mg/kg		
Micro-organis	ms in sewage treatment plants (STP)	199,5 mg/l		
Soil		1,53 mg/kg		
17265-14-4	Disodium sebacate			
Freshwater		0,018 mg/l		
Freshwater (in	ntermittent releases)	0,18 mg/l		
Marine water	Marine water			
Freshwater se	ediment	0,548 mg/kg		
Marine sedime	ent	0,055 mg/kg		
Micro-organis	ms in sewage treatment plants (STP)	10 mg/l		
Soil		0,099 mg/kg		
19766-89-3	Sodium 2-ethylhexanoate			
Freshwater		0,36 mg/l		
Freshwater (in	ntermittent releases)	0,493 mg/l		
Marine water		0,036 mg/l		
Freshwater se	ediment	0,301 mg/kg		
Marine sedime	ent	0,03 mg/kg		
Micro-organis	ms in sewage treatment plants (STP)	71,7 mg/l		
Soil		0,058 mg/kg		
1330-43-4	disodium tetraborate, anhydrous			
Freshwater		2,9 mg/l		
Freshwater (intermittent releases) 13,7 mg/l				
Marine water		2,9 mg/l		
Micro-organis	ms in sewage treatment plants (STP)	10 mg/l		
Soil		5,7 mg/kg		

8.2. Exposure controls





Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.





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Protective and hygiene measures

Take off contaminated clothing and wash it before reuse.

Wash hands and face before breaks and after work and take a shower if necessary.

When using do not eat, drink, smoke, sniff. Keep away from food, drink and animal feedingstuffs.

Eye/face protection

Wear eye/face protection. During filling, metering, mixing and sampling must be used: EN 166

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Recommended glove articles: EN ISO 374 Suitable material: NBR (Nitrile rubber) Thickness of the glove material: 0,4 mm

Breakthrough times and swelling properties of the material must be taken into consideration. Breakthrough

time: > 8h

Skin protection

Use of protective clothing. EN 14605

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Combination filtering device Typ: A-P2 (EN 14387)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: blue-green
Odour: characteristic
Odour threshold: not determined

Test method

pH-Value: 7

Changes in the physical state

Melting point/freezing point: < -36 °C ASTM D 1177

Boiling point or initial boiling point and not determined

boiling range:

Flash point: > 126,5 °C

Flammability

Solid/liquid: not applicable
Gas: not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits:

Upper explosion limits:

Auto-ignition temperature:

not determined

not determined

not determined

not determined





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Oxidizing properties

The product is not: oxidising.

Vapour pressure: not determined

Density (at 20 °C): 1,068 g/cm³

Water solubility: easily soluble

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

Viscosity / dynamic:

Not determined

Viscosity / kinematic:

Relative vapour density:

Evaporation rate:

not determined

not determined

not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Avoid: Thermal decomposition

10.5. Incompatible materials

Materials to avoid:

- Oxidising agent

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1051,4 mg/kg





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CAS No	Chemical name					
	Exposure route	Dose	Spe	ecies	Source	Method
107-21-1	Ethane-1,2-diol					
	oral	LD50 7712 mg/kg	Rat	t	Study report (1968)	according to BASF-internal standards
	dermal	LD50 > 350 mg/kg	00 Mo		Fundamental and Applied Toxicology 27: 1	LD50 derived from developmental toxicity
17265-14-4	Disodium sebacate					
	oral	LD50 > 500 mg/kg	00 Rat	t	Study report (1978)	OECD Guideline 401
	dermal	LD50 > 200 mg/kg	00 Rat	t	Study report (1999)	OECD Guideline 402
19766-89-3	Sodium 2-ethylhexanoate	1				
	oral	LD50 2043 mg/kg	Rat	t	Study report (1987)	OECD Guideline 401
	dermal	LD50 > 200 mg/kg	00 Rat	t	Study report (1986)	OECD Guideline 402
1330-43-4	disodium tetraborate, anh	ydrous				
	oral	LD50 > 250 mg/kg	00 Rat	t	Study report (1996)	EU Method B.1
	dermal	LD50 > 200 mg/kg	00 Ral	bbit	Study report (1985)	other: This study was carried out to com
	inhalation (4 h) dust/mist	LC50 > 2,0- mg/l	4 Rat	t	Study report (1994)	OECD Guideline 403

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Ethane-1,2-diol)

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

12.1. Toxicity





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The product is not: Ecotoxic.





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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
07-21-1	Ethane-1,2-diol						
	Acute fish toxicity	LC50 mg/l	> 72860	96 h	Pimephales promelas	Environ. Toxicology and Chemistry, Vol.	EPA 600/4-90/027. U.S. Environmental Pro
	Acute algae toxicity	ErC50 13000 mg/l	6500 -	96 h	Pseudokirchneriella subcapitata	Study report (1982)	other: EPA 600/9-78-018, 1978
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	Study report (1998)	OECD Guideline 202
	Fish toxicity	NOEC mg/l	15380	7 d	Pimephales promelas	Environ. Toxicology and Chemistry, Vol.	other: EPA 600/4-89/001. U.S. Environmen
	Algae toxicity	NOEC mg/l	> 100	8 d	Scenedesmus quadricauda	REACh Registration Dossier	OECD Guideline 201
	Crustacea toxicity	NOEC 15000 mg/l	7500 -	21 d	Daphnia magna	REACh Registration Dossier	other: ASTM
7265-14-4	Disodium sebacate						
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Danio rerio	REACh Registration Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	38,7	72 h	Skeletonema costatum	REACh Registration Dossier	ISO 10253
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	REACh Registration Dossier	OECD Guideline 202
9766-89-3	Sodium 2-ethylhexanoate						
	Acute fish toxicity	LC50 mg/l	> 100	96 h	Oryzias latipes	NITE (National Institute of Technology a	OECD Guideline 203
	Acute algae toxicity	ErC50 mg/l	49,3	72 h	Desmodesmus subspicatus	Study report (1988)	other: Method: other: German Industrial
	Acute crustacea toxicity	EC50 mg/l	85,4	48 h	Daphnia magna	Study report (1988)	other: Directive 79/831/EEC, Annex V, Pa
	Crustacea toxicity	NOEC	25 mg/l	21 d	Daphnia magna	Study report (1997)	OECD Guideline 211
330-43-4	disodium tetraborate, anh	ydrous					
	Acute fish toxicity	LC50	74 mg/l	96 h	Limanda limanda	REACh Registration Dossier	other: ASTM E729-95 Standard Guide for C
	Acute algae toxicity	ErC50	66 mg/l	72 h	Phaeodactylum tricornutum	REACh Registration Dossier	ISO 10253





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Acute crustacea toxicity	EC50	165 mg/l	48 h	Ceriodaphnia dubia	(2010)	other: ASTM E729-95 Standard Guide for C
Fish toxicity	NOEC mg/l	11,2	32 d	Pimephales promelas	Registration Dossier	other: ASTM E1241-05 Standard Guide for
Algae toxicity	NOEC mg/l	17,5	3 d	Pseudokirchneriella subcapitata	Study report (2000)	OECD Guideline 201
Crustacea toxicity	NOEC mg/l	16,6	28 d	Americamysis bahia	_	EPA OPPTS 850.1350
Acute bacteria toxicity	(EC50 mg/l)	> 175	3 h	Activated sludge	Study report (2000)	OECD Guideline 209

12.2. Persistence and degradability

Elimination information: > 70 % DOC reduction (28 d) (OECD 301 A (new version)) Readily biodegradable.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-21-1	Ethane-1,2-diol	-1,36
17265-14-4	Disodium sebacate	-4,9
19766-89-3	Sodium 2-ethylhexanoate	1,3
1330-43-4	disodium tetraborate, anhydrous	-1,53

BCF

CAS No	Chemical name	BCF	Species	Source
1330-43-4	disodium tetraborate, anhydrous	0,7 - 1,4	Crassostrea gigas	REACh Registration D

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.





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Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):

disodium tetraborate, anhydrous

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 30, Entry 75

2010/75/EU (VOC): 47,555 % (507,885 g/l) 2004/42/EC (VOC): 49,076 % (524,131 g/l)





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Information according to 2012/18/EU

(SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,9,10,11,12,13,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation

intérieures)

EmS: Emergency Schedules MFAG: Medical First Aid Guide

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container VOC: Volatile Organic Compounds





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SVHC: Substance of Very High Concern

For abbreviations and acronyms, see table at http://abbrev.esdscom.eu

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
STOT RE 2; H373	Calculation method

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.
H319 Causes serious eye irritation.

H360FD May damage fertility. May damage the unborn child.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)