

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Trade name VELOSIT IR 601 (B-Comp.)
 Version 3 (EN)
 Revision date 01.09.2020
 Print date 13.10.2020

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

1.1 Product identifier

VELOSIT IR 601 (B-Comp.)

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

Relevant identified uses

The product is intended for professional users. Building products.

Uses advised against

No identified use.

1.3 Details of the supplier of the safety data sheet

Supplier / Importer

VELOSIT GmbH & Co. KG
 Industriepark 7
 D-32805 Horn-Bad Meinberg
 Tel.: +49-5233-95 17 300
 Fax: +49-5233-95 17 301
 E-mail: info@velosit.de

Emergency telephone number

1.4 +49-5233-95 17 300 (during business hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute toxicity	Category 4	H302
Skin corrosion/irritation	Category 1B	H314
Serious eye damage/eye irritation	Category 1	H318
Hazardous to the aquatic environment	Acute 1	H400
Hazardous to the aquatic environment	Chronic 1	H410

Full text of H- and EUH-phrases: see sec. 16.

2.2 Labelling elements

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

Hazard components for labelling

Amines, C12-14-alkyldimethyl
 Amines, C16-18-alkyldimethyl
 Amines, C12-16-alkyldimethyl
 Hexacyldimethylamine

Signal word: Danger

Hazard pictograms

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Method: OECD Test Guideline 401

Skin corrosion/irritation

Result: Causes severe burns to the skin.

Eye damage/irritation

Result: Causes severe eye damage.

Sensitisation to the respiratory tract/skin

Sensitisation to the respiratory tract

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

Skin sensitisation

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

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

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

Special hazards arising from the substance or mixture

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Details on Amines, C12-14-alkyldimethyl

Acute (short-term) fish toxicity

Dose: LC50 0,62 mg/l
Duration: 96 h
Species: Danio rerio (Zebrafish)
Method: OECD Test Guideline 203

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Acute (short-term) toxicity to crustacea

Dose: EC50 0,056 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)

Chronic (long-term) toxicity to crustacea

Dose: NOEC 0,036 mg/l
Species: Daphnia magna (big water flea)

Acute (short-term) toxicity to algae and cyanobacteria

Dose: EC10 0,02 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (green algae)

Details on Amines, C16-18-alkyldimethyl

Acute (short-term) fish toxicity

Dose: LC50 0,82 mg/l
Duration: 96 h
Species: Danio rerio (Zebrafish)
Method: OECD Test Guideline 203

Acute (short-term) toxicity to crustacea

Dose: EC50 0,188 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)

Chronic (long-term) toxicity to crustacea

Dose: NOEC 0,1 mg/l
Duration: 21 d
Species: Daphnia magna (big water flea)

Acute (short-term) toxicity to algae and cyanobacteria

Dose: EC50 0,02 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (green algae)

Details on Amines, C12-16-alkyldimethyl

Acute (short-term) fish toxicity

Dose: LC50 0,26 mg/l
Duration: 96 h
Species: Danio rerio (Zebrafish)
Method: OECD Test Guideline 203

Acute (short-term) toxicity to crustacea

Dose: EC50 0,056 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)
Method: OECD Test Guideline 202

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Chronic (long-term) toxicity to crustacea

Dose: NOEC 0,036 mg/l
Species: Daphnia magna (big water flea)

Acute (short-term) toxicity to algae and cyanobacteria

Dose: EC50 0,0165 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (green algae)
Method: OECD Test Guideline 201

Details on Hexadecyldimethylamine

Acute (short-term) fish toxicity

Dose: LC50 0,26 mg/l
Duration: 96 h
Species: Danio rerio (Zebrafish)

Acute (short-term) toxicity to crustacea

Dose: EC50 0,056 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)

Acute (short-term) toxicity to algae and cyanobacteria

Dose: EC50 0,0099 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (green algae)

12.2 Persistence and degradability

Details on Amines, C12-14-alkyldimethyl

Biodegradation

Degradation rate: 93%

Method: OECD Test Guideline 203

Remark: The organic components contained are easily biodegradable.

Details on Amines, C16-18-alkyldimethyl

No data available.

Details on Amines, C12-16-alkyldimethyl

No data available.

Details on Hexadecyldimethylamine

No data available.

12.3 Bioaccumulative potential

Details on Amines, C12-14-alkyldimethyl

No data available.

Details on Amines, C16-18-alkyldimethyl

No data available.

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Details on Amines, C12-16-alkyldimethyl

No data available.

Details on Hexadecyldimethylamine

No data available.

12.4 Mobility in soil

Details on Amines, C12-14-alkyldimethyl

No data available.

Details on Amines, C16-18-alkyldimethyl

No data available.

Details on Amines, C12-16-alkyldimethyl

No data available.

Details on Hexadecyldimethylamine

No data available.

12.5 Results of PBT and vPvB assessment

The mixture does not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects

No data available.

Additional ecotoxicological information

Do not discharge into drains or watercourses. Do not allow to reach the subsoil/ground.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. When mixed with Component A and fully reacted/cured can be disposed of in landfill. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Once the product residues adhering to the walls of the containers have been rendered harmless, the product and labels must be invalidated. These containers can be returned for recycling to the appropriate centres set up within the framework of the existing takeback scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations. None disposal into wastewater.

SECTION 14: Transport information

14.1 Landtransport (ADR/RID)

UN No.: 2735
UN Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamin)

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Transport hazard class(es):	8
Hazard label(s):	8
Packing group:	II
Environmental hazards:	yes
Limited quantity:	1 L
Excepted quantity:	E2
Special provisions:	274
Tunnel restriction code:	E
Classification code:	C7
Transport category:	2
Hazard identification number (Kemler No.):	80

14.2 Inland waterway transport (ADN)

UN No.:	2735
UN Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamin)
Transport hazard class(es):	8
Hazard label(s):	8
Packing group:	II
Environmental hazards:	yes
Limited quantity:	1 L
Excepted quantity:	E2
Classification code:	C7
Transport category:	2
Hazard identification number (Kemler No.):	80

14.3 Sea transport (IMDG)

UN No.:	2735
UN Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamin, C12-C16-Alkyldimethylamine, distilled), MARINE POLLUTANT
Transport hazard class(es):	8
Hazard label(s):	8
Packing group:	II
Environmental hazards:	yes
Limited quantity:	1 L
Excepted quantity:	E2
Special provisions:	274
Classification code:	C7
Transport category:	2
Hazard identification number (Kemler No.):	80
EmS:	F-A,S-B
Marine pollutant:	yes

14.4 Air transport (ICAO-TI / IATA-DGR)

UN No.:	2735
UN Proper shipping name:	AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyl-C12-C14-dimethylamin)
Transport hazard class(es):	8
Hazard label(s):	8

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Packing group:	II
Environmental hazards:	yes
Limited quantity:	1 L
Excepted quantity:	E2
Special provisions:	274
Classification code:	C7
Transport category:	2
Hazard identification number (Kemler No.):	80

14.5 Special precautions for user

Attention: strongly corrosive. Caution: corrosive substances

14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU regulations

Authorisations and/or restrictions on use

Restriction conditions: 3

Other EU regulations

Directive 2012/18/EU on the control of major accident hazards involving dangerous substances [Seveso III Directive]

E1 Hazardous to water

National regulations

Notes on employment restrictions

Observe employment restrictions for young people (§ 22 JArbSchG). Observe employment restrictions for expectant and nursing mothers.

15.2 Chemical Safety Assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

16.5 Text of the hazard statements and/or safety instructions referred to in sec.s 2 to 15

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.7 Further information

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To the best of our knowledge, the information in this safety data sheet is correct at the time of printing. The information is intended to provide guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. Insofar as the product is mixed, blended or processed with other materials, the information in this safety data sheet cannot be transferred to the new material manufactured in this way, unless expressly stated otherwise. The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. Existing laws and regulations must be observed by the recipient of our products on his own responsibility.