

Safety Data Sheet

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

Trade name VELOSIT IR 605 (A-Comp.)
Version 2 (EN)
Revision date 01.09.2020
Print date 13.10.2020

Species: Rat
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.

Details on Amines, C16-18-alkyldimethyl

Acute toxicity, oral

Dose: LD50 1.000 - 2.000 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Skin corrosion/irritation

Result: Causes severe burns to the skin.

Eye damage/irritation

Result: Causes severe eye damage.

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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.

Details on Amines, C12-16-alkyldimethyl

Acute toxicity, oral

Dose: LD50 1.000 - 2.000 mg/kg

Species: Rat

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.

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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.

Special hazards arising from the substance or mixture

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

Details on Hexadecyldimethylamine

Acute toxicity, oral

Dose: LD50 1.015 mg/kg
Species: Rat
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)

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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 Glycerol, propoxylated

Acute (short-term) fish toxicity

Dose: LC50 > 1.000 mg/l
Duration: 96 h
Species: Leuciscus idus (golden orfe)
Method: OECD Test Guideline 203
Remark: Examination on a comparable product.

Acute (short-term) toxicity to crustacea

Dose: EC50 > 100 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)
Method: OECD Test Guideline 202
Remark: Examination on a comparable product.

Chronic (long-term) toxicity to crustacea

Dose: NOEC ≥ 10 mg/l
Duration: 21 d
Species: Daphnia magna (big water flea)
Method: OECD Test Guideline 211
Remark: Examination on a comparable product.

Acute (short-term) toxicity to algae and cyanobacteria

Dose: ErC50 > 100 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (green algae)
Method: OECD Test Guideline 201
Remark: Examination on a comparable product.

Toxicity to microorganisms

Dose: EC10 > 10.000 mg/l
Duration: 3 h
Species: Activated sludge
Method: Directive 67/548/EEC, Annex V, C.11

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Remark: Examination on a comparable product.

Details on Propane-1,2-diol, propoxylated

Acute (short-term) fish toxicity

Dose: LC50 > 100 mg/l
Duration: 96 h
Species: Poecilia reticulata (Guppy)
Method: OECD Test Guideline 203
Remark: Examination on a comparable product.

Acute (short-term) toxicity to crustacea

Dose: EC50 > 100 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)
Method: OECD Test Guideline 202
Remark: Examination on a comparable product.

Chronic (long-term) toxicity to crustacea

Dose: NOEC \geq 10 mg/l
Duration: 21 d
Species: Daphnia magna (big water flea)
Method: OECD Test Guideline 211
Remark: Examination on a comparable product.

Acute (short-term) toxicity to algae and cyanobacteria

Dose: EC0 > 100 mg/l
Duration: 72 h
Species: Desmodesmus subspicatus (green algae)
Method: OECD Test Guideline 201
Remark: Examination on a comparable product.

Toxicity to microorganisms

Dose: EC50 > 1.000 mg/l
Duration: 3 h
Species: Activated sludge
Method: OECD Test Guideline 209
Remark: Examination on a comparable product.

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

Acute (short-term) toxicity to crustacea

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

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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: 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

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

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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 Glycerol, propoxylated

Not readily biodegradable.

Abiotic degradability

Test type: Hydrolysis
t 1/2: > 120 h
Temperature: 50 °C
pH: 4/7/9
Method: OECD Test Guideline 111
Remark: The substance is hydrolytically stable. Examination on a comparable product.

Details on Propane-1,2-diol, propoxylated

Readily degradable.

Biodegradation

Degradation rate: > 60%, 28 d

Method: OECD Test Guideline 301F

Abiotic degradability

Test type: Phototransformation in air, sensitizer OH radicals, concentration: 500.000 1/cm³
t 1/2: 0,14 - 0,46 d
Method: SRC - AOP (calculation)
Remark: After release or contact with air, the substance undergoes rapid photochemical degradation.
Examination on a comparable product.

Details on Amines, C12-14-alkyldimethyl

Biodegradation

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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 Glycerol, propoxylated

No data available.

Details on Propane-1,2-diol, propoxylated

No data available.

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.

12.4 Mobility in soil

Details on Glycerol, propoxylated

No data available.

Details on Propane-1,2-diol, propoxylated

Transport type: Adsorption

Parameter: Koc value: 1 - 10, log Koc value: 0 - 1

Result: Highly mobile in soil.

Method: Calculation

Remark: Examination on a comparable product.

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.

12.5 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)

No dangerous good in sense of these transport regulations.

14.2 Inland waterway transport (ADN)

No dangerous good in sense of these transport regulations.

14.3 Sea transport (IMDG)

No dangerous good in sense of these transport regulations.

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

No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

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

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

Not subject to the SEVESO III Directive.

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

No 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.
H315	Causes skin irritation.
H319	Causes serious eye irritation
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.7 Further information

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.