

Safety Data Sheet

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

Trade name VELOSIT IR 604 (A1-Comp.)
Version 2 (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 604 (A1-Comp.)

UFI: V3WE-0S5X-EFCE-X1WT

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]

Skin corrosion/irritation

Category 2 H315

Skin sensitization

Category 1 H317

Serious eye damage/eye irritation

Category 2 H319

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

Acrylic acid

Methacrylic acid

Signal word: Danger

Hazard pictograms



Safety Data Sheet

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



Trade name VELOSIT IR 604 (A1-Comp.)
Version 2 (EN)
Revision date 01.09.2020
Print date 13.10.2020

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation
Full text of H- and EUH-phrases: see sec. 16.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

CAS No.	EC No.	Substance name	Concentration
79-10-7	201-177-9	Acrylic acid Flam. Liq. 3, H226; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Corr. 1A, H314; Acute Tox. 4, H332; Aquatic Acute 1, H400	< 25%
79-41-4	201-204-4	Methacrylic acid Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Corr. 1A, H314	< 25%

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Soiled, soaked clothing and shoes must be immediately removed.

Following inhalation

Provide fresh air. Medical treatment necessary.

Following skin contact

Wash off immediately with plenty of water and, if available, apply plenty of Polyethylene Glycol 400. Cover wounds sterilely. Call in a doctor.

Safety Data Sheet

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



Trade name	VELOSIT IR 604 (A1-Comp.)
Version	2 (EN)
Revision date	01.09.2020
Print date	13.10.2020

Following eye contact

Immediately flush eyes with open eyelids for 10 to 15 minutes with running water, then seek immediate medical attention.

Following ingestion

Allow large quantities of water to be drunk. DO NOT induce vomiting. Risk of perforation! Call a doctor immediately. Do not attempt to neutralize.

Self-protection of the first aider

Pay attention to self-protection!

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

No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), foam or powder extinguisher, continuous water spray.

Unsuitable extinguishing media

High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Vapours are heavier than air, they spread out on the ground. Watch for backfire. In the event of fire may occur: ...sulphur oxides, carbon monoxide and carbon dioxide. In case of fire, cool endangered containers with water.

5.3 Advice for fire-fighters

In case of fire fighting respiratory protection with independent air supply and tightly fitting chemical protection suit required.

Additional information

Do not allow contaminated extinguishing water to enter the soil, ground water or surface waters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For emergency responders

Ensure adequate ventilation. Do not inhale gas/smoke/vapour/spray. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2 Environmental precautions

Do not allow to escape into waterways, wastewater or soil.

Safety Data Sheet

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



Trade name VELOSIT IR 604 (A1-Comp.)
Version 2 (EN)
Revision date 01.09.2020
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6.3 Methods and material for containment and cleaning up

Sprinkle with liquid-binding material (sand, diatomite, acid binder, universal binder). Repeat the process after 15 minutes. Then pick up the material and dispose of in open containers. Clean the surroundings thoroughly.

6.4 Reference to other sections

For advice on safe handling: see sec. 7.
For advice on protective measures: see sec. 8.
For advice on disposal: see sec. 13.

SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Advice on safe handling

Carry out work under fume cupboard. Do not inhale vapours. Ensure good ventilation of the warehouse and workplace. Avoid contact with eyes and skin. Wear suitable protective clothing.

Fire preventions

Keep away from ignition sources. Take measures against electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Keep away from foodstuffs, drinks and tobacco.

Storage temperature for personal safety

5 °C - 30 °C

Further information on storage conditions

Keep container tightly closed. Ensure adequate ventilation and spot extraction at critical points.

7.3 Specific end uses

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No indication of occupational exposure limit values required by Directive 2006/121/EC.

CAS No.	Substance	Value	Peak limit	Type
79-10-7	Acrylic acid	30 mg/m ³ E	1 (I)	AGW (DE)
79-41-4	Methacrylic acid	180 mg/m ³ E	2 (I)	AGW (DE)

A: alveolar fraction, E: respirable fraction

8.2 Exposure controls

Appropriate engineering controls

No information available.

Safety Data Sheet

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



Trade name VELOSIT IR 604 (A1-Comp.)
Version 2 (EN)
Revision date 01.09.2020
Print date 13.10.2020

Personal protective equipment

General protection and hygiene measures

Immediately remove all soiled, soaked clothing. Wash hands and face thoroughly before breaks and at the end of work. Do not eat, drink, smoke or snort at the workplace.

Eye / Face protection

Basket glasses according to EN 166.

Skin protection

Wear suitable protective clothing during work. When handling larger quantities: Chemical protection suit.

Hand protection

Protective gloves according to EN 374. 0.7 mm thick butyl rubber layer. Breakthrough time (maximum wearing time): >480 min. The manufacturer's specifications for permeability and breakthrough times must be observed.

Respiratory protection

Ensure adequate ventilation.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	blue
Odour:	fruity
pH:	5,5 - 6,5
Initial boiling point/boiling range:	100 °C
Relative density:	1,1 - 1,2 g/cm ³ at 23 °C
Solubility(ies):	fully miscible
Viscosity, dynamic:	4 mPa.s at 25 °C

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

The following applies to derivatives of acrylic and methacrylic acid in general: Unstabilized product can polymerize spontaneously. Do not store at temperatures below 15°C. Polymerization at high temperatures.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

Safety Data Sheet

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Trade name VELOSIT IR 604 (A1-Comp.)
Version 2 (EN)
Revision date 01.09.2020
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No information available.

10.4 Conditions to avoid

Protect from strong heat.

10.5 Incompatible materials

Oxidants, peroxides, oxygen, anhydrides.

10.6 Hazardous decomposition products

In case of fire, the following may occur: sulphur oxides, carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Details on Acrylic acid

Symptoms related to the physical, chemical and toxicological characteristics

Following ingestion: May cause irritation in mouth, throat, esophagus and gastrointestinal tract.

Following skin contact: May cause irritation.

Following eye contact: May cause irritation.

Details on Methacrylic acid

Symptoms related to the physical, chemical and toxicological characteristics

Following ingestion: May cause irritation in mouth, throat, esophagus and gastrointestinal tract.

Following skin contact: May cause irritation.

Following eye contact: May cause irritation.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Details on Acrylic acid

No toxic effects on: algae, daphnia, luminescent bacteria (Analysis report: Kiwa GmbH). Not hazardous to water (Analysis report: Kiwa GmbH).

Details on Methacrylic acid

No toxic effects on: algae, daphnia, luminescent bacteria (Analysis report: Kiwa GmbH). Not hazardous to water (Analysis report: Kiwa GmbH).

12.2 Persistence and degradability

Details on Acrylic acid

No data available.

Details on Methacrylic acid

No data available.

12.3 Bioaccumulative potential

Details on Acrylic acid

Safety Data Sheet

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



Trade name	VELOSIT IR 604 (A1-Comp.)
Version	2 (EN)
Revision date	01.09.2020
Print date	13.10.2020

No data available.

Details on Methacrylic acid

No data available.

12.4 Mobility in soil

Details on Acrylic acid

No data available.

Details on Methacrylic acid

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 allow to enter ground water, water bodies or sewage system. Slightly hazardous to water at high concentration.

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.

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SECTION 15: Regulatory information

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

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

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.

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.