

Safety Data Sheet

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



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



Hazard statements

H272 May intensify fire; oxidizer.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.

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

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep away from clothing and other combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS No.	EC No.	Substance name
7775-27-1	231-892-1	Disodium peroxodisulphate Ox. Sol. 3, H272; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Resp. Sens. 1, H334; Skin Sens. 1, H317; STOT SE 3, H335

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

Take the affected person into the fresh air. Keep warm and quiet. Call a doctor immediately if breathing difficulties occur. Oxygen respiration if necessary. In case of danger of unconsciousness, store and transport in a stable lateral position.

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Following skin contact

Wash off immediately with plenty of water. In case of skin reactions consult a doctor.

Following eye contact

Immediately flush eyes with open eyelids for 10 to 15 minutes with running water. Afterwards immediately consult an ophthalmologist.

Following ingestion

Rinse mouth and drink plenty of water. Avoid vomiting. Call a doctor immediately.

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

Symptomatic treatment. Subsequent observation for pneumonia and pulmonary edema. Monitoring of electrolytes and renal function.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product is not flammable. The extinguishing agents must therefore be adapted to the ambient conditions.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Oxidizing, fire hazard in contact with flammable substances. With strong heating: formation of sulphur dioxide. Do not breathe explosion and combustion gases. In case of ambient fire: build up pressure, danger of bursting. Cool containers at risk of fire with water and if possible pull them out of the danger zone.

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. Keep away from flammable materials.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Avoid dust formation. Take up carefully and dry. Small quantities: Neutralize with sodium thiosulfate solution. Take to disposal in suitable containers. Clean up.

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

Ensure good ventilation of the warehouse and workplace. Vacuum the dust. Open and handle containers with care. Do not leave containers open. Avoid contact with eyes, skin and clothing. Do not inhale dust.

Fire preventions

Keep away from ignition sources. Do not smoke. No welding.

7.2 Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Keep away from flammable materials. Do not store together with food.

Further information on storage conditions

Keep container tightly closed, dry and cool. Store at room temperature. Protect from light and heat. Suitable material: glass, ceramic, PVC, PE, PP.

7.3 Specific end uses

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

CAS No.	Substance	Value	Peak limit	Type
7775-27-1	Disodium peroxodisulphate	10 mg/m ³ E 3 mg/m ³ A	2 (II)	AGW (DE)

A: alveolar fraction, E: respirable fraction

8.2 Exposure controls

Appropriate engineering controls

Ensure good ventilation of the working area and/or extraction equipment at the workplace. The substance should only be handled in closed plants or systems.

Personal protective equipment

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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

Flame retardant work clothing.

Hand protection

Protective gloves according to EN 374, glove material: nitrile rubber or chloroprene rubber. Breakthrough time (maximum wearing time): > 480 min. The manufacturer's specifications for permeability and breakthrough times must be observed.

Respiratory protection

In case of dust formation: Particle filter P2/P3, identification colour white, according to EN 143.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid
Colour:	white
Odour:	odourless
pH:	3,5 - 3,8
Melting point/freezing point:	180 °C
Relative density:	2,4 - 2,7 g/cm ³ at 23 °C
Solubility(ies):	545 g/l at 20 °C

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

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Protect from heat. Protect from moisture. Decomposition in water: formation of hydrogen peroxide and oxygen. Fire hazard! Reacts with alcohols: Formation of oxygen and sulphur dioxide.

10.5 Incompatible materials

Strong acids, heavy metal salts, reducing agents, ammonium compounds, cyanides, combustible substances.

10.6 Hazardous decomposition products

With strong heating: formation of sulphur dioxide. Hygroscopic: promotes combustion by releasing oxygen.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Details on Disodium peroxodisulphate

Acute toxicity, oral

Dose: LD50 859 - 920 mg/kg
Species: Rat
Method: IUCLID

Sensitisation to the respiratory tract/skin

Sensitisation to the respiratory tract

Result: Sensibilisation possible.

Skin sensitisation

Result: Sensibilisation possible.

Symptoms related to the physical, chemical and toxicological characteristics

Following ingestion: Harmful.
Following skin contact: Strong irritant.
Following inhalation: Dust: very irritating. Coughing, shortness of breath. Pulmonary oedema possible. Symptoms may be delayed.
Following eye contact: Strong irritant.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Details on Disodium peroxodisulphate

Acute (short-term) fish toxicity

Dose: LC50 771 mg/l
Duration: 96 h
Species: Lepomis macrochirus (Sun bass)
Method: IUCLID

Chronic (long-term) fish toxicity

Dose: NOEC 391 mg/l
Duration: 96 h
Species: Lepomis macrochirus (Sun bass)

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Method: IUCLID

Acute (short-term) toxicity to crustacea

Dose: EC50 133 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)
Method: IUCLID

Chronic (long-term) toxicity to crustacea

Dose: NOEC 67,6 mg/l
Duration: 48 h
Species: Daphnia magna (big water flea)
Method: IUCLID

12.2 Persistence and degradability

Details on Disodium peroxodisulphate

Decomposition/hydrolysis: formation of sulphuric acid. Damaging effect on aquatic organisms by changing the pH value.

12.3 Bioaccumulative potential

Details on Disodium peroxodisulphate

No data available.

12.4 Mobility in soil

Details on Disodium peroxodisulphate

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

Additional ecotoxicological information

Do not allow to enter ground water, water bodies or sewage system.

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

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14.1 Landtransport (ADR/RID)

UN No.: 1505
UN Proper shipping name: SODIUM PERSULFATE
Transport hazard class(es): 5.1
Hazard label(s): 5.1
Packing group: III
Environmental hazards: no
Limited quantity: LQ12
Excepted quantity: E1
Tunnel restriction code: E
Classification code: O2
Hazard identification number (Kemler No.): 50

14.2 Inland waterway transport (ADN)

UN No.: 1505
UN Proper shipping name: SODIUM PERSULFATE
Transport hazard class(es): 5.1
Hazard label(s): 5.1
Packing group: III
Environmental hazards: no
Limited quantity: LQ12
Excepted quantity: E1
Classification code: O2
Hazard identification number (Kemler No.): 50

14.3 Sea transport (IMDG)

UN No.: 1505
UN Proper shipping name: SODIUM PERSULFATE
Transport hazard class(es): 5.1
Hazard label(s): 5.1
Packing group: III
Environmental hazards: no
Limited quantity: 5 kg
Excepted quantity: E1
Segregation group: A
Classification code: O2
Hazard identification number (Kemler No.): 50
EmS: F-A; S-Q
Marine pollutant: no

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

UN No.: 1505
UN Proper shipping name: SODIUM PERSULFATE
Transport hazard class(es): 5.1
Hazard label(s): 5.1
Packing group: III
Environmental hazards: no
Limited quantity: 10 kg
Excepted quantity: E1
Classification code: O2

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Hazard identification number (Kemler No.): 50

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

H272	May intensify fire; oxidizer.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

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.