



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

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

1.1 Product identifier

Trade name

TM DESANACID FP

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

Relevant identified uses

cleaning agent
biocidal product
washing and cleaning products (including solvent based products)
professional use (SU22)
industrial use (SU3)

Product category

PC35 washing and cleaning products (including solvent based products)

Uses advised against

this information is not available

HS code

Reinigungsmittel Desinfektionsmittel 34029090 cleaning agent. 38089490.

1.3 Details of the supplier of the safety data sheet

Thonhauser GmbH
Perlhofgasse 2/1
2372 Gießhübl
Austria

Telephone: +43 (0)2236 320 272
e-mail: QA@thonhauser.net
Website: www.afco.eu

Additional information

Manufacturer					
Country	Name	Postal code/city	Telephone	e-Mail	website
Austria	Thonhauser GmbH	2372 Gießhübl	+43 2236 320 272	Cleaning@thonhauser.net	www.afco.eu

e-mail (competent person)

QA@thonhauser.net

1.4 Emergency telephone number

Manufacturer

+43 (2236) 320 272
Mon - Thu 08:00 - 16:30, Fri 08:00 - 12:30

Poison centre & Emergency information service

United Kingdom	CHEMTREC UK 24/7 CCN 819393	+44 870 8200418
----------------	--------------------------------	-----------------

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification
(acc. to
GB CLP)



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Section	Hazard class	Cat-egory	Hazard class and category	Hazard statement
2.14	Oxidising solid	3	Ox. Sol. 3	H272
3.1I	Acute toxicity (inhal.)	4	Acute Tox. 4	H332
3.2	Skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.4R	Respiratory sensitisation	1	Resp. Sens. 1	H334
3.4S	Skin sensitisation	1	Skin Sens. 1	H317
3.8R	Specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335
4.1C	Hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of H-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling (acc. to GB CLP)

- Signal word

danger

- Pictograms

GHS03, GHS07,
GHS08



- Hazard statements

H272	May intensify fire; oxidiser.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

- Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P370+P378	In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

- Hazardous ingredients for labelling

disodium peroxodisulphate, Dipotassium hydrogen-orthophosphate

2.3 Other hazards



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of sub-stance	Identifier	Conc.	Classification acc. to GHS	Pictograms	M-Factors
Sulphamidic acid	CAS No 5329-14-6 EC No 226-218-8	25 – < 50 wt%	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Aquatic Chronic 3 / H412		
Disodium peroxodi-sulphate	CAS No 7775-27-1 EC No 231-892-1	25 – < 50 wt%	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	 	
Dipotassium hydro-genorthophosphate	CAS No 7758-11-4 EC No 231-834-5	10 – < 25 wt%	Acute Tox. 4 / H302 Acute Tox. 3 / H311 Acute Tox. 3 / H331		
Sodium perman-ganate	CAS No 10101-50-5 EC No 233-251-1	< 1 wt%	Ox. Sol. 2 / H272 Acute Tox. 4 / H302 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	 	M-Factor (acute) = 10

Name of substance	Specific Conc. Limits	M-Factors	ATE	Exposure route
Disodium peroxodisulphate	-	-	1,200 mg/kg	Oral
Dipotassium hydrogen-orthophosphate	-	-	>500 mg/kg >300 mg/kg >0.83 mg/l/4h	Oral dermal inhalation: dust/mist
Sodium permanganate	-	M-Factor (acute) = 10	500 mg/kg	Oral

Remarks

for full text of abbreviations: see SECTION 16

Regulation 528/2012/EU concerning the making available on the market and use of biocidal products

Biocidal active substances		
Name of substance	w/w	unit
Disodium peroxodisulphate	412	g/kg



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

SECTION 4: First aid measures

4.1 Description of first aid measures



General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Ideally, use the PREVIN® solution as the first rinse. Use all of the content. If the PREVIN® solution is not immediately available, rinse with water first and then as soon as possible with the PREVIN® solution.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water, foam, alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Oxidising property.

Hazardous combustion products

nitrogen oxides (NO_x), phosphorus oxides (P_xO_y), sulphur oxides (SO_x)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

covering of drains, take up mechanically

Advice on how to clean up a spill

Take up mechanically. Absorbents and binders, neutralising agents.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area. Avoid mixing with flammable or combustible substances (e.g. sawdust).

6.4 Reference to other sections

Hazardous combustion products: see section 5. Incompatible substances or mixtures: see section 7. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

- Handling of incompatible substances or mixtures

- Keep away from

organic absorbing material, pulp/paper, bases (alkalis)

- Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Removal of dust deposits.

- Flammability hazards

Keep valves and fittings free from oil and grease.

- Incompatible substances or mixtures

Prohibition of joint storage (with): bases (alkalis),

Keep/store away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles.

- Floors

The materials shall display sufficient resistance to the prevalent chemical conditions (Acids).

- Protect against external exposure, such as

heat, sunlight, direct light irradiation

- Consideration of other advice

Observe technical data sheet.

- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation.

- Packaging compatibilities (Receptacles / Material)



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

These information are not available.

7.4 Other information

storage temperature of 0 °C and up to 20 °C
recommended storage temperature: 15-25 °C
Keep container tightly closed.
Store in a dry place.
Protect from moisture.
Do not allow contact with water.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
EU	Manganese, inorganic compounds	10101-50-5	IOEL V		0.2					Mn, i	2017/164/EU
EU	Manganese, inorganic compounds	10101-50-5	IOEL V		0.05					Mn, r	2017/164/EU
GB	Dust		WEL		10					I	EH40/2005
GB	Dust		WEL		4					R	EH40/2005
GB	Manganese, inorganic compounds	10101-50-5	WEL		0.2					Mn, i	EH40/2005
GB	Manganese, inorganic compounds	10101-50-5	WEL		0.05					Mn, r	EH40/2005

Notation

Ceiling-C Ceiling value is a limit value above which exposure should not occur.

i Inhalable fraction.

Mn Calculated as Mn (manganese).

r Respirable fraction.

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified).

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified).

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Sulphamidic acid	5329-14-6	DNEL	70.5 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - systemic effects
Sulphamidic acid	5329-14-6	DNEL	10 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
Disodium peroxodi-	7775-27-1	DNEL	2.06 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - systemic



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Relevant DNELs of components

Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
sulphate						effects
Disodium peroxodi-sulphate	7775-27-1	DNEL	0.824 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - local effects
Disodium peroxodi-sulphate	7775-27-1	DNEL	12.7 mg/kg bw/day	Human, dermal	Worker (industry)	Chronic - systemic effects
Dipotassium hydrogenorthophosphate	7758-11-4	DNEL	19.1 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - systemic effects
Sodium permanganate	10101-50-5	DNEL	0.05 mg/m ³	Human, inhalatory	Worker (industry)	Chronic - systemic effects
Sodium permanganate	10101-50-5	DNEL	0.05 mg/m ³	Human, inhalatory	Worker (industry)	Acute - systemic effects

Relevant PNECs of components

Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Sulphamidic acid	5329-14-6	PNEC	200 mg/l	Microorganisms	Sewage treatment plant (STP)	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	0.3 mg/kg	Benthic organisms	Sediments	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	0.03 mg/kg	Pelagic organisms	Sediments	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	0.3 mg/l	Aquatic organisms	Water	Intermittent release
Sulphamidic acid	5329-14-6	PNEC	1.8 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	0.18 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	20 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	8.36 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	0.84 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
Sulphamidic acid	5329-14-6	PNEC	5 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	3.6 mg/l	Microorganisms	Sewage treatment plant (STP)	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	0.275 mg/kg	Benthic organisms	Sediments	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	0.0396 mg/kg	Pelagic organisms	Sediments	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	0.763 mg/l	Aquatic organisms	Water	Intermittent release
Disodium peroxodi-sulphate	7775-27-1	PNEC	0.518 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	0.052 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	3.6 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Relevant PNECs of components						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Disodium peroxodi-sulphate	7775-27-1	PNEC	2.03 mg/kg	Aquatic organisms	Freshwater sediment	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	0.203 mg/kg	Aquatic organisms	Marine sediment	Short-term (single instance)
Disodium peroxodi-sulphate	7775-27-1	PNEC	0.1 mg/kg	Terrestrial organisms	Soil	Short-term (single instance)
Dipotassium hydrogenorthophosphate	7758-11-4	PNEC	50 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)
Dipotassium hydrogenorthophosphate	7758-11-4	PNEC	0.005 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
Dipotassium hydrogenorthophosphate	7758-11-4	PNEC	0.5 mg/l	Aquatic organisms	Water	Intermittent release
Dipotassium hydrogenorthophosphate	7758-11-4	PNEC	0.05 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Sodium permanganate	10101-50-5	PNEC	0 mg/l	Aquatic organisms	Freshwater	Short-term (single instance)
Sodium permanganate	10101-50-5	PNEC	0 mg/l	Aquatic organisms	Marine water	Short-term (single instance)
Sodium permanganate	10101-50-5	PNEC	1.64 mg/l	Aquatic organisms	Sewage treatment plant (STP)	Short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)



Eye/face protection

Wear eye/face protection. Use safety goggle with side protection. Use protective eyewear to guard against splash of liquids. EN 166.

Skin protection

- Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. 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.

- Protective gloves - Splash protection

Recommended protective gloves (trademark/manufacturer):

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. Acid-resistant, acid-proof overalls or apron. Acid-proof, acid-resistant boots or safety shoes.

Chemical protective clothing

Wear suitable protective clothing.

Respiratory protection

Particulate filter device (EN 143). Adequate particulate filter (EN 143). Type: B (against inorganic gases and



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

vapours, colour code: Grey).

Environmental exposure controls

Avoid release to the environment. Refer to special instructions/safety data sheets. Before discharge of the waste water into a municipal waste water treatment facility the product normally needs to be neutralised.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid (powder)
Colour	pink - grey
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
Flammability	non-combustible
Lower and upper explosion limit	not relevant (solid)
Flash point	not applicable
Auto-ignition temperature	>400 °C
Decomposition temperature	not relevant
pH (value)	1.2 – 2.2 (in aqueous solution: 10 g/l, 20 °C) * (acid)
Kinematic viscosity	not relevant
Solubility(ies)	not determined

Partition coefficient

n-octanol/water (log KOW)	not relevant (inorganic)
---------------------------	--------------------------

Vapour pressure	0.8 Pa at 20 °C
-----------------	-----------------

Density and/or relative density

Density	not determined
Relative vapour density	not relevant (solid)

Particle characteristics	no data available
--------------------------	-------------------

9.2 Other information

Information with regard to physical hazard classes

there is no additional information



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Other safety characteristics

Solid content 100 %

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s). Oxidising property.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

Exhibits an exothermic reaction (with): Caustic solutions (Alkalis)
Dangerous/dangerous reactions with: base metals (formation of hydrogen), oxidisers

10.4 Conditions to avoid

Keep away from heat. UV-radiation/sunlight.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.5 Incompatible materials

combustible materials

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The classification is based on tested mixture.

Classification acc. to GHS

Acute toxicity

Harmful if inhaled.
GHS of the United Nations, annex 4: May be harmful in contact with skin.

- Acute toxicity estimate (ATE)

Inhalation: dust/mist >4.798 mg/l/4h.

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
Disodium peroxodisulphate	7775-27-1	Oral	1,200 mg/kg
Dipotassium hydrogenorthophosphate	7758-11-4	Oral	>500 mg/kg
Dipotassium hydrogenorthophosphate	7758-11-4	Dermal	>300 mg/kg
Dipotassium hydrogenorthophosphate	7758-11-4	Inhalation: dust/mist	>0.83 mg/l/4h
Sodium permanganate	10101-50-5	Oral	500 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Respiratory or skin sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sulphamidic acid	5329-14-6	LC50	70.3 mg/l	Fish	96 h
Sulphamidic acid	5329-14-6	EC50	71.6 mg/l	Aquatic invertebrates	24 h
Sulphamidic acid	5329-14-6	ErC50	48 mg/l	Algae	72 h
Disodium peroxodi-sulphate	7775-27-1	LC50	76.3 mg/l	Fish	96 h
Disodium peroxodi-sulphate	7775-27-1	EC50	120 mg/l	Aquatic invertebrates	48 h
Dipotassium hydrogen-orthophosphate	7758-11-4	ErC50	>100 mg/l	Algae	72 h
Dipotassium hydrogen-orthophosphate	7758-11-4	LC50	>100 mg/l	Rainbow trout (Onco-rhynchus mykiss)	96 h
Dipotassium hydrogen-orthophosphate	7758-11-4	EC50	>100 mg/l	Daphnia magna	48 h
Sodium permanganate	10101-50-5	LC50	0.7 mg/l	Fish	48 h
Sodium permanganate	10101-50-5	EC50	0.06 mg/l	Aquatic invertebrates	48 h
Sodium permanganate	10101-50-5	ErC50	0.8 mg/l	Algae	72 h

Aquatic toxicity (chronic) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sulphamidic acid	5329-14-6	EC50	>60 mg/l	Aquatic invertebrates	21 d
Disodium peroxodi-sulphate	7775-27-1	EC50	11 mg/l	Aquatic invertebrates	5 d
Dipotassium hydrogen-orthophosphate	7758-11-4	EC50	>1,000 mg/l	Microorganisms	3 h



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Aquatic toxicity (chronic) of components					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Sodium permanganate	10101-50-5	LC50	1.51 mg/l	Fish	24 h
Sodium permanganate	10101-50-5	EC50	0.15 mg/l	Aquatic invertebrates	24 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Sulphamidic acid	5329-14-6		-4.34 (pH value: <2, 20 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Recycling/reclamation of other inorganic materials.

Sewage disposal-relevant information

The application solution can be disposed in the sewage system, taking into account technical and national regulations.

Waste treatment of containers/packages

It is a dangerous waste; only packages which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

Properties of waste which render it hazardous

- HP 4 Irritant - skin irritation and eye damage.
- HP 5 Specific target organ toxicity (STOT)/aspiration toxicity.
- HP 6 Acute toxicity.
- HP 13 Sensitising.
- HP 14 Ecotoxic.

List of wastes

Waste catalogue ordinance (Germany)

Assign arising waste to a waste code according to the national list of waste

- Product

16 09 03* Peroxides, for example hydrogen peroxide.



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

- Product residues

15 01 10* Packaging containing residues of or contaminated by hazardous substances.

- Packagings

15 01 02 Plastic packaging.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number

ADR/RID	UN 3260
IMDG-Code	UN 3260
ICAO-TI	UN 3260

14.2 UN proper shipping name

ADR/RID	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
IMDG-Code	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
ICAO-TI	Corrosive solid, acidic, inorganic, n.o.s.
Technical name (hazardous ingredients)	sulphamidic acid, disodium peroxodisulphate

14.3 Transport hazard class(es)

ADR/RID	8
IMDG-Code	8
ICAO-TI	8

14.4 Packing group

ADR/RID	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR) - Additional information

Classification code	C2
Danger label(s)	8

Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01



Special provisions (SP)	274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Tunnel restriction code (TRC)	E
Hazard identification No	80
Emergency Action Code	2X

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID) - Additional information

Classification code	C2
Danger label(s)	8



Special provisions (SP)	274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Hazard identification No	80

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	-
Danger label(s)	8



Special provisions (SP)	223, 274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
EmS	F-A, S-B
Stowage category	A
Segregation group	1 - Acids

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s)	8
-----------------	---



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01



Special provisions (SP) A3
Excepted quantities (EQ) E1
Limited quantities (LQ) 5 kg

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Deco-Paint Directive

VOC content 0 %

Industrial Emissions Directive (IED)

VOC content 0 %

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Water Framework Directive (WFD)

List of pollutants (WFD)

Name of substance	Name acc. to inventory	CAS No	Listed in	Remarks
DESANACID FP	Biocides and plant protection products		A)	
Disodium peroxodisulphate	Metals and their compounds		A)	
Dipotassium hydrogenorthophosphate	Substances which contribute to eutrophication (in particular, nitrates and phosphates)		A)	
Sodium permanganate	Metals and their compounds		A)	

Legend

a) Indicative list of the main pollutants.

Regulation on the marketing and use of explosives precursors

None of the ingredients are listed.

Regulation on drug precursors

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

National regulations (GB)

List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

None of the ingredients are listed.

Restrictions according to GB REACH, Annex 17



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

None of the ingredients are listed.

National inventories

Country	Inventory	Status
EU	REACH Reg.	All ingredients are listed

Legend

REACH Reg. REACH registered substances.

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2017/164/EU	Commission Directive establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
Acute Tox.	Acute toxicity
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GB CLP	The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

Abbr.	Descriptions of used abbreviations
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HS	Harmonized Commodity Description and Coding System (Harmonized System, drawn up by the World Customs Organisation)
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
IOELV	Indicative occupational exposure limit value
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
Log KOW	n-Octanol/water
M-Factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
Ox. Sol.	Oxidising solid
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
Ppm	Parts per million
Resp. Sens.	Respiratory sensitisation
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
TWA	Time-weighted average
VOC	Volatile Organic Compounds
VPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

Key literature references and sources for data

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended). GB mandatory classification and labelling. Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).



Safety Data Sheet

acc. to GB REACH

TM DESANACID FP

Version number: GHS 1.0

Date of compilation: 2026-07-01

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
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.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.