

1. IDENTIFICATION**Product identifier**

Product Name **ProPhorce™ SR 710**

Other means of identification

Pure substance/mixture Mixture

Recommended use of the chemical and restrictions on use

Application Feed material

Uses advised against No information available

Details of the supplier of the safety data sheet**Manufacturer Address**

Perstorp Waspik B.V.
Industrieweg 8
NL-5165 NH Waspik
The Netherlands
Tel. +31 (0)416 31 77 00
www.perstorp.com

E-mail address productinfo@perstorp.com

Emergency telephone number

USA (+)1 866 519 4752 (contract no: 334101)

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label elements**Symbols/Pictograms**

Not applicable

Signal word

None

Hazard statements

Not applicable

Precautionary Statements

Not applicable

Supplemental information

No information available

Hazards not otherwise classified (HNOC)**Unknown Acute Toxicity**

40 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS**Substance**

Not applicable

Mixture

Chemical Name	CAS No	Weight-%
1,2,3-propanetriol, glycerol	56-81-5	35-45

4. FIRST AID MEASURES**Description of first aid measures**

Inhalation	First aid measures not required, but get fresh air for personal comfort.
Skin contact	First aid measures not required, but wash exposed skin with soap and water for hygienic reasons.
Eye contact	First aid measures not needed. Rinse eye anyway with water.
Ingestion	Rinse mouth then drink plenty of water. If a large quantity has been ingested or if you feel unwell, get medical advice/attention.

Most important symptoms and effects, both acute and delayed

None known.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide (CO₂), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media

High volume water jet.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products

Carbon monoxide (CO) Carbon dioxide (CO₂)

Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so

Small spill	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal
Large spill	Pump up the product into a spare container suitably labelled.

Methods for cleaning up

Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

Reference to other sections

See Section 7, 8, 13 for more information.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Users are advised to consider national Occupational Exposure Limits or other equivalent values, (if existing).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,2,3-propanetriol, glycerol 56-81-5	Not available	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction	Not available

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand Protection	Protective gloves not really required. However, we recommend using protective gloves made of rubber.
Skin and body protection	Normal work clothes for the chemical industry (long-legged pants and sleeves).
Respiratory protection	None under normal use conditions. In case of inadequate ventilation wear respiratory protection. Recommended filter type: A/P2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical state	liquid
Color	colorless, light yellow
Odor	weak characteristic
Odor threshold	No data available

Property	Value	Remarks • Method
pH	4.0 - 5.0	solution (5 %)
Melting point / freezing point		No information available
Boiling point / boiling range		Not determined
Flash point	>95 °C	(based on components)
Evaporation rate		No information available
Flammability (solid, gas)		Not applicable
Explosive limits		
Upper explosive limits		Not determined
Lower explosive limits		Not determined
Vapor pressure		Not determined
Vapor density		No information available
Relative density		No information available

Water solubility		Soluble in water
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	
Density	1100-1200 kg/m ³	
Bulk density		No information available

Other Information

No information available

10. STABILITY AND REACTIVITY**Reactivity**

There exists no specific test data for this product. For further information, see the subsequent subsections of this chapter.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal use conditions

Conditions to avoid

None under normal use conditions.

Incompatible materials

None known

Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Dermal. Inhalation.

Symptoms related to the physical, chemical and toxicological characteristics**Most important symptoms and effects, both acute and delayed**

None known.

Numerical measures of toxicity

ATEmix (oral)	25,000.00 mg/kg
ATEmix (dermal)	25,000.00 mg/kg
ATEmix (inhalation-vapor)	52.00 mg/l
Unknown Acute Toxicity	40 % of the mixture consists of ingredient(s) of unknown toxicity

Acute toxicity

Product does not present an acute toxicity hazard based on known or supplied information.

1,2,3-propanetriol, glycerol (56-81-5)				
Method	Species	Exposure route	Effective dose	Remarks
Not defined	Mouse	Oral	>10000	LD50 (lethal dose) mg/kg
Not defined	Guinea pig	Dermal	>10000	LD50 (lethal dose) mg/kg
Not defined	Rat	Inhalation	>2.75	LC50 mg/l 4h

Skin corrosion/irritation

According to the data on the components: Non-irritating to the skin.

1,2,3-propanetriol, glycerol (56-81-5)			
Method	Species	Exposure route	Results:
Not defined	Rabbit	Dermal	Non-irritant

Serious eye damage/eye irritation

According to the data on the components: Non-irritant.

1,2,3-propanetriol, glycerol (56-81-5)			
Method	Species	Exposure route	Results:
Not defined	Rabbit	Eye	Non-irritant

Respiratory or skin sensitization

According to the data on the components: No sensitising effects known.

Germ cell mutagenicity

According to the data on the components: Not mutagenic.

1,2,3-propanetriol, glycerol (56-81-5)			
Method	Species	Exposure route	Results:
OECD Test No. 471: Bacterial Reverse Mutation Test	in vitro		Negative
OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test	in vitro		Negative
OECD Test No. 476: In vitro Mammalian Cell Gene Mutation Test	in vitro		Negative
OECD Test No. 482: Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells in vitro	in vitro		Negative

Carcinogenicity

According to the data on the components; Not Carcinogenic.

1,2,3-propanetriol, glycerol (56-81-5)				
Method	Species	Exposure route	Effective dose	Remarks
Not defined	Rat	Oral		No carcinogenic effects have been observed. 2 years

Reproductive toxicity

According to the data on the components: Is not considered hazardous to the reproduction.

1,2,3-propanetriol, glycerol (56-81-5)				
Method	Species	Exposure route	Effective dose	Remarks
Not defined	Rat	Oral	2000	NOAEL mg/kg bw/day

STOT - single exposure

Target organ effects: None known

STOT - repeated exposure

Target organ effects: None known

1,2,3-propanetriol, glycerol (56-81-5)				
Method	Species	Exposure route	Effective dose	Remarks
Not defined	Rat	Oral	8000-10000	NOAEL mg/kg bw/day
Not defined	Rat	Inhalation	167	NOAEL mg/m ³

Aspiration hazard

No hazard from product as supplied.

12. ECOLOGICAL INFORMATION**Toxicity**

According to the data on the components: Low toxicity to aquatic organisms.

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

1,2,3-propanetriol, glycerol (56-81-5)					
Method	Species	Exposure route	Effective dose	Exposure time	Remarks
Not defined	Salmo gairdneri	Freshwater	54000	96h	LC50 (lethal concentration) mg/l
Not defined	Daphnia magna	Freshwater	>10000	24h	EC50 (effective concentration) mg/l
Not defined	Algae Scenedesmus quadricauda	Freshwater	>10000	8d	EC3 mg/l
Not defined	Pseudomonas putida	Freshwater	>10000	16h	NOEC mg/l

Persistence and degradability

Based on the degradability studies on the ingredients, the product is expected to be readily biodegradable.

1,2,3-propanetriol, glycerol (56-81-5)			
Method	Value	Exposure time	Results:
Not defined	94%	24h	Readily biodegradable

Bioaccumulative potential

According to the data on the components: Not likely to bioaccumulate

Chemical Name	Partition coefficient	Bioconcentration factor (BCF)
1,2,3-propanetriol, glycerol	-1.75	

Mobility in soil

No information available.

Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS**Disposal methods****Waste from residues/unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Thoroughly emptied and clean packaging may be recycled. Contaminated packaging materials must be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

DOT Road transport Not regulated

RID Rail transport Not regulated

IMDG Sea transport Not regulated
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

IATA Air transport Not regulated

15. REGULATORY INFORMATION

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

International Regulations
 Not applicable.

US Federal Regulations

SARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)
 This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
 This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

TSCA Inventory
 Feed and ingredients in feed products are exempt from TSCA.

US State Regulations

California Proposition 65
 This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations
 Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	Health hazards 0	Flammability 1	Instability 0	Physical and Chemical Properties Not available
HMIS	Health hazards 0	Flammability 1	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet
 Not applicable

Issue Date 31-Aug-2021
Revision Date 30-Aug-2021
Revision Note SDS sections updated: 1 Application.

This safety data sheet complies with the requirements of: OSHA Hazard Communication Standard (29 CFR 1910.1200).

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet