

# SAFETY DATA SHEET

# Herd Navigator Diluent

Preparation Date: 12-Jan-2021  
Revision Number: 0.1  
Date of last revision: 16-Jun-2022

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name** Herd Navigator Diluent  
**Item#:** EU2275  
**Recommended use** laboratory chemicals solvent  
**Uses advised against** Restricted to professional users

**Supplier** DeLaval Cleaning Solutions  
11100 N. Congress Ave.  
Kansas City, MO 64153 : 816-891-7700, 8am – 5pm M-F

**Emergency Telephone Number** Chemtrec 1-800-424-9300

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not Hazardous.

### 2.2. Label Elements

Not Hazardous

### Note

Signal words and pictograms are not required on labels for AgVet chemicals.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Water	7732-18-5	> 60%
Polysorbate 20	9005-64-5	0 - 1%
Sodium chloride (NaCl)	7647-14-5	0 - 1%
Polyvinyl pyrrolidone	9003-39-8	0 - 1%
TRIS	77-86-1	0 - 1%
Sodium azide	26628-22-8	0 - 1%

## 4. FIRST AID MEASURES

**Eye contact** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

**Skin contact** Remove contaminated clothing and shoes. Wash off immediately with plenty of water.

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<b>Inhalation</b>	No information available.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Get medical attention if irritation develops and persists.
<b>Effects of overexposure</b>	No information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No information available

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	No information available
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Protective Equipment and Precautions for Firefighters</b>	Use personal protective equipment. Standard procedure for chemical fires.
<b>Hazchem Code</b>	No Hazchem Code allocated

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear appropriate personal protective equipment as specified in Section 8.
<b>Environmental Precautions</b>	Avoid dispersal of spilt material into waterways, drains, and sewers.
<b>Methods for cleaning up</b>	Take up mechanically and collect in suitable container for disposal.

## 7. HANDLING AND STORAGE

<b>Safe Handling Advice</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	Keep container tightly closed. Store in original container. Keep cool and protect from sunlight. Keep at temperatures between 2 and 8°C.
<b>Incompatible products</b>	No information available.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

<b>Exposure limits</b>	No exposure standard allocated
<b>Biological standards</b>	No biological limit allocated
<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas

### Personal Protective Equipment

<b>Eye/face Protection</b>	Safety glasses with side-shields
<b>Skin Protection</b>	Protective gloves
<b>Hand Protection</b>	Nitrile rubber
<b>Respiratory Protection</b>	No special protective equipment required.
<b>General Hygiene Considerations</b>	Regular cleaning of equipment, work area and clothing. Wash hands after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	No information available
<b>Physical state</b>	Liquid
<b>Odor</b>	No information available
<b>Odor Threshold</b>	No information available
<b>pH</b>	8.1 - 8.3
<b>Specific Gravity</b>	No data available
<b>Water Solubility</b>	Miscible with water
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Flash Point</b>	Not relevant for the product itself
<b>Autoignition Temperature</b>	No data available
<b>Boiling Point/Range</b>	~ 100 °C
<b>Melting Point/Range</b>	~ 0 °C
<b>Freezing Point/Range</b>	No data available
<b>Decomposition temperature</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Explosion Limits</b>	No information available
<b>Evaporation Rate</b>	No data available
<b>Relative Density</b>	No data available
<b>Solubility</b>	No information available
<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Viscosity</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No information available
<b>Chemical Stability</b>	Stable under recommended storage conditions.

<b>Possibility of hazardous reactions</b>	None known
<b>Conditions to Avoid</b>	No information available.
<b>Incompatible Materials</b>	None known
<b>Hazardous decomposition products</b>	No information available

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Inhalation</b>	No information available.
<b>Skin contact</b>	No information available.
<b>Ingestion</b>	No information available.

### **Component Analysis - LD50/LC50**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water 7732-18-5	> 90 mL/kg ( Rat )		
Polysorbate 20 9005-64-5	= 36700 µL/kg ( Rat ) = 37000 mg/kg ( Rat )		
Sodium chloride (NaCl) 7647-14-5	= 3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h
Polyvinyl pyrrolidone 9003-39-8	= 100 g/kg ( Rat )		

### Potential Health Effects

<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	Not hazardous.
<b>Aspiration Hazard</b>	No information available.
<b>Information on likely routes of exposure</b>	No known significant effects or critical hazards
<b>Early onset symptoms related to</b>	None known

**exposure (Immediate effects)**

**Delayed health effects from exposure** none known

12. ECOLOGICAL INFORMATION
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**Ecotoxicity**

**Ecotoxicity effects** Prevent release to the environment.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium chloride (NaCl)		12946: 96 h Lepomis macrochirus mg/L LC50 static 4747 - 7824: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 6020 - 7070: 96 h Pimephales promelas mg/L LC50 static 5560 - 6080: 96 h Lepomis macrochirus mg/L LC50 flow-through 7050: 96 h Pimephales promelas mg/L LC50 semi-static 6420 - 6700: 96 h Pimephales promelas mg/L LC50 static		1000: 48 h Daphnia magna mg/L EC50 340.7 - 469.2: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability** No information available

**Bioaccumulation/Accumulation** No information available.

**Mobility** No information available.

**Other adverse effects** No information available

**Biodegradation** No information available.

13. DISPOSAL CONSIDERATIONS
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**Waste Disposal Method** Can be landfilled, when in compliance with local regulations. Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

**Personal precautions** Wear appropriate personal protective equipment as specified in Section 8.

14. TRANSPORT INFORMATION
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**Road and Rail transport**

<b>UN-No</b>	Not regulated
<b>Proper Shipping Name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing Group</b>	Not regulated
<b>Environmental hazard</b>	Not regulated
<b>Special Precautions</b>	Not regulated
<b>Hazchem Code</b>	No Hazchem Code allocated

**IMDG/IMO**

<b>UN number or ID number</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing Group</b>	Not regulated
<b>IMDG Marine Pollutant</b>	Not regulated

**IATA/ICAO**

<b>UN number or ID number</b>	Not regulated
<b>Proper Shipping Name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated

15. REGULATORY INFORMATION
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<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	No information available
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<b>Poison Schedule Number</b>	No poison schedule number allocated
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16. OTHER INFORMATION
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<b>Prepared By</b>	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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<b>Preparation Date:</b>	12-Jan-2021
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<b>Date of last revision:</b>	16-Jun-2022
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<b>Revision Number:</b>	0.1
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<b>Reason for revision</b>	Supplier Address.
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**Disclaimer**

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**End of SDS**