



Version No: 1

Issue date: 08/JUN/2026
Safety Data Sheet (Conforms to Annex II of REACH (1907/2006) - Regulation 2020/878)

Revised: N/A

SECTION 1. Identification of the substance / mixture and of the company / undertaking**1.1. Product Identifier**

Product name	Cell-Free particles
Synonyms	Not Available
Other means of identification	Not Available

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

Relevant identified uses	Laboratory use.
Uses advised against	Not Available

1.3. Details of the manufacturer or supplier of the safety data sheet

Registered company name	CleanNA
Address	Coenecoop 75, 2741 PH, Waddinxveen, The Netherlands
Telephone	+31 (0) 182 22 33 50
Fax	+31 (0) 182 22 33 98
Website	www.cleanna.com
Email	info@cleanna.com

1.4. Emergency telephone number

Emergency telephone numbers	112 (European emergency number)
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SECTION 2. Hazards identification**2.1. Classification of the substance or mixture**

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments [1]	Not Applicable
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2.2. Label elements

Hazard pictogram(s)	Not Applicable
Signal word	Not Applicable

Hazard statement(s)

Not Applicable

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

2.3. Other hazards

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3. Composition / information on ingredients**3.1 Substances**

See 'Composition on ingredients' in Section 3.2

3.2 Mixtures

1. CAS No			Classification according to regulation (EC) No 1272/2008 [CLP] and	SCL /	Nanoform Particle
2. EC No			amendments	M-Factor	Characteristics
3. Index No					
4. REACH No	%[weight]	Name			
1. Not Available					
2. Not Available	N/A	N/A	Not Applicable	Not Available	Not Available
3. Not Available					
4. Not Available					
Legend:		1. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI;			

SECTION 4. First aid measures**4.1. Description of first aid measures**

Eye Contact	If this product comes in contact with the eyes: - Wash out immediately with fresh running water. - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. - Seek medical attention if irritation develops, pain persists or recurs seek medical attention. - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs: - Flush skin and hair with running water (and soap if available). - Seek medical attention in event of irritation development.
Inhalation	- If fumes, aerosols or combustion products are inhaled in significant quantities remove from contaminated area to fresh air and consult physician - Other measures are usually unnecessary.
Ingestion	- If swallowed give one to two glasses of water and contact medical personnel. - In the meantime, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition. - If the services of a medical officer or medical doctor are readily available, the patient should be placed in his/her care and a copy of the SDS should be provided. Further action will be the responsibility of the medical specialist.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

4.3. Indication of any immediate medical attention and special treatment needed

As in all cases of suspected poisoning, follow the ABCDEs of emergency medicine (airway, breathing, circulation, disability, exposure), then the ABCDEs of toxicology (antidotes, basics, change absorption, change distribution, change elimination).

SECTION 5. Firefighting measures**5.1 Extinguisher media**

- There is no restriction on the type of extinguisher which may be used
- Use extinguisher media suitable for the surrounding area

5.2 Special hazards arising from substrate or mixture

Fire Incompatibility	None known.
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5.3. Advice for firefighters

Fire Fighting	- Alert Fire Brigade and tell them location and nature of hazard. - Wear breathing apparatus plus protective gloves in the event of a fire. - Prevent, by any means available, spillage from entering drains or water courses. - Use firefighting procedures suitable for surrounding area.
Fire/Explosion Hazard	- Non-combustible. - Not considered flammable - Not considered explosive.

SECTION 6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See section 8

6.2 Environmental precautions

See section 12

6.3 Methods and material for containment and cleaning up

Minor Spills	- Clean up all spills immediately. - Areas may be slippery - Wipe spill area with damp power towel and or disposable wipe - Avoid creation of aerosols - Avoid breathing vapors and contact with skin and eyes. - Place in a suitable, labelled container for waste disposal.
Major Spills	- Clean up all spills immediately. - Areas may be slippery - Wipe spill area with damp power towel and or disposable wipe - Avoid creation of aerosols - Avoid breathing vapors and contact with skin and eyes. - Place in a suitable, labelled container for waste disposal.

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7. Handling and storage**7.1. Precautions for safe handling**

Safe handling	- Avoid all personal contact, including inhalation. - Wear protective clothing when risk of exposure occurs. - Use in a well-ventilated area. - Avoid creating aerosols of fine particles by using minimal and directional airflow (away from user) during use of product - Keep containers securely sealed when not in use to prevent contamination. - Avoid physical damage to containers. - Store at room temperature in a dry area - Always wash hands with soap and water after handling. - Work clothes should be laundered separately. Launder contaminated clothing before re-use. - Use good occupational work practice. - Observe manufacturer's storage and handling recommendations contained within this SDS.
Fire and explosion protection	See section 5
Other information	None known

7.2. Conditions for safe storage, including any incompatibilities

Suitable container	- Packing as recommended by manufacturer. - Check all containers are clearly labelled and free from leaks.
Storage incompatibility	None known
Hazard categories in accordance with Regulation (EC) No 1272/2008	Not Applicable
Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of	Not Applicable

7.3. Specific end use(s)

See section 1.2

SECTION 8. Exposure controls / personal protection**8.1. Control parameters**

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
Not Applicable	Not Applicable	Not Applicable

* Values for General Population

INGREDIENT DATA**Occupational Exposure Limits (OEL)**

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Not Applicable	Not Applicable	Not Applicable	Not Available	Not Available	Not Available	N/A

Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
Not Applicable	Not Applicable	Not Applicable	Not Applicable

Ingredient	Original IDLH	Revised IDLH
Not Applicable	Not Available	Not Available

8.2. Exposure controls

8.2.1. Appropriate engineering controls	If employed, use minimal and directional air flow (away from user) to minimize worker exposure and prevent aerosol production
8.2.2. Personal protection	
Eye and face protection	- Safety glasses with side shields Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]
Skin protection	- Powder free latex gloves - Vinyl gloves
Hands/feet protection	- Powder free latex gloves - Vinyl gloves - Wear safety footwear or safety gumboots, e.g. rubber Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
Body protection	Not applicable
Other protection	Not Applicable

Respiratory protection

Not Applicable

8.2.3. Environmental exposure controls

See section 12

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Dark, brownish		
Physical state	Liquid	Relative density (Water = 1)	Not Available
Odor	Odorless	Partition coefficient n-octanol / water	Not Available
Odor threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point & boiling range (°C)	100 °C	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidizing properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapor pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Not Applicable	pH as a solution (1%)	Not Available
Vapor density (Air = 1)	Not Available	VOC g/L	Not Available
Nanoform Solubility	Not Available	Nanoform Particle Characteristics	Not Available
Particle Size	Not Available		

9.2. Other information

Not Available

SECTION 10. Stability and reactivity

10.1. Reactivity	See section 7.2
10.2. Chemical stability	- Product is considered stable. - Hazardous polymerization will not occur.
10.3. Possibility of hazardous reactions	See section 7.2
10.4. Conditions to avoid	See section 7.2
10.5. Incompatible materials	See section 7.2
10.6. Hazardous decomposition products	See section 5.3

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Inhaled	The material is not thought to produce either adverse health effects or irritation of the respiratory tract following inhalation	
Ingestion	Accidental ingestion of the material may be harmful	
Skin Contact	Skin contact is not thought to produce harmful health effects	
Eye	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn).	
Chronic	Long-term exposure to the product is not thought to produce chronic effects adverse to the health	
Cell-Free particles	TOXICITY	IRRITATION
	Not Available	Not Available
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances	

Acute Toxicity	✗
Skin Irritation/Corrosion	✗
Serious Eye Damage/Irritation	✗
Respiratory or Skin sensitization	✗
Mutagenicity	✗

Carcinogenicity	✗
Reproductivity	✗
STOT - Single Exposure	✗
STOT - Repeated Exposure	✗
Aspiration Hazard	✗

Legend: ✗ Data either not available or does not fill the criteria for classification
✔ Data available to make classification

11.2. Information on other hazards

11.2.1 Endocrine Disruption Properties
Not Available

11.2.2 Other Information
See Section 11.1

SECTION 12. Ecological information

Cell-Free particles	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
Legend: <i>Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data</i>					

Do **NOT** discharge into sewer or waterways.

12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Not Available	Not Available	Not Available

12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
Not Available	Not Available

12.4. Mobility in soil

Ingredient	Mobility
Not Available	Not Available

12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	Not Available	Not Available	Not Available
PBT	✗	✗	✗
vPvB	✗	✗	✗
PBT Criteria fulfilled?			No
vPvB			No

12.6. Endocrine Disruption Properties

Not Available

12.7. Other adverse effects

Not Available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Product / Packaging disposal	- Containers may still present a chemical hazard/ danger when empty. - Return to supplier for reuse/ recycling if possible. Otherwise: - If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorized landfill. - Where possible retain label warnings and SDS and observe all notices pertaining to the product. Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. A Hierarchy of Controls seems to be common - the user should investigate: - Reduction - Reuse - Recycling - Disposal (if all else fails) This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. All waste containing this product shall be specially contained, properly labeled, and stored separately from other facility waste discharges. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. - Do NOT allow wash water from cleaning or process equipment to enter drains. - It may be necessary to collect all wash water for treatment before disposal. - In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. - Where in doubt contact the responsible authority. - Recycle wherever possible. - Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. - Dispose of by burial in a land-fill specifically licensed to accept chemical and/or pharmaceutical waste or incineration in a licensed apparatus (after admixture with suitable combustible material) - Decontaminate empty containers. Observe all labels safeguards until containers are cleaned and destroyed
Waste treatment options	Not Available
Sewage disposal options	Not Available

SECTION 14. Transport information**Labels Required**

Marine Pollutant	NO
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Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	Class	Not Applicable
	Sub risk	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Hazard identification (Kemler)	Not Applicable
	Classification code	Not Applicable
	Hazard Label	Not Applicable
	Special provisions	Not Applicable
	Limited quantity	Not Applicable
	Tunnel Restriction Code	Not Applicable

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	ICAO/IATA Class	Not Applicable
	ICAO / IATA Sub risk	Not Applicable
	ERG Code	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Special provisions	Not Applicable
	Cargo Only Packing Instructions	Not Applicable
	Cargo Only Maximum Qty / Pack	Not Applicable
	Passenger and Cargo Packing Instructions	Not Applicable
	Passenger and Cargo Maximum Qty / Pack	Not Applicable
	Passenger and Cargo Limited Quantity Packing Instructions	Not Applicable
	Passenger and Cargo Limited Maximum Qty / Pack	Not Applicable

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	IMDG Class	Not Applicable
	IMDG Sub risk	Not Applicable
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	EMS Number	Not Applicable
	Special provisions	Not Applicable
	Limited Quantities	Not Applicable

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

14.1. UN number	Not Applicable	
14.2. UN proper shipping name	Not Applicable	
14.3. Transport hazard class(es)	Not Applicable Not Applicable	
14.4. Packing group	Not Applicable	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Classification code	Not Applicable
	Special provisions	Not Applicable
	Limited quantity	Not Applicable
	Equipment required	Not Applicable
	Fire cones number	Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

14.8. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
Not Applicable	Not Available

14.9. Transport in bulk in accordance with the ICG Code

Product name	Ship Type
Not Applicable	Not Available

SECTION 15. Regulatory information

Not Applicable

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

Information according to 2012/18/EU (Seveso III):

Seveso Category	Not Available
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15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

ECHA SUMMARY

Ingredient	CAS number	Index No	ECHA Dossier
Not Applicable	Not Applicable	Not Applicable	Not Available

Harmonization (C&L Inventory)	Hazard Class and Category Code(s)	Pictograms Signal Word Code(s)	Hazard Statement Code(s)
Not Applicable	Not Applicable	Not Applicable	Not Applicable

Harmonization Code 1 = The most prevalent classification. Harmonization Code 2 = The most severe classification.

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	Yes
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	Yes
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes

Legend: Yes = All CAS declared ingredients are on the inventory
No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16. Other information**Full text Risk and Hazard codes**

Not Applicable	Not Applicable.
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Version Summary

Version	Date of Update	Sections Updated
1	08/JUN/2026	Initial version

Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered. For detailed advice on Personal Protective Equipment, refer to the following

- EU CEN Standards:
- EN 166 Personal eye-protection
- EN 340 Protective clothing
- EN 374 Protective gloves against chemicals and micro-organisms
- EN 13832 Footwear protecting against chemicals
- EN 133 Respiratory protective devices

Definitions and abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
AIIC	Australian Inventory of Industrial Chemicals
BCF	Bio Concentration Factors
BEI	Biological Exposure Index
DSL	Domestic Substances List
EINECS	European INventory of Existing Commercial chemical Substances
ELINCS	European List of Notified Chemical Substances
ENCS	Existing and New Chemical Substances Inventory
ES	Exposure Standard
FBEPH	Russian register of potentially Hazardous Chemical and Biological Substances
IARC	International Agency for research on Cancer
IDLH	Immediately Dangerous to Life or Health concentrations
IECSC	Inventory of Existing Chemical Substances in China
INSQ	Inventario Nacional de Sustancias Químicas
KECI	Korea Existing Chemicals Inventory
LOAEL	Lowest Observed Adverse Effect Level
LOD	Limit of Detection
NCI	National Chemical inventory
NDSL	Non-Domestic Substances List
NLP	No-Longer Polymers
NOAEL	No Observed Adverse Effect Level
NZIoC	New Zealand Inventory of Chemicals
OSF	Odor Safety Factor
OTV	Odor Threshold Value
PC	Permissible Concentration
PICCS	Philippine Inventory of Chemicals and Chemical Substances
STEL	Short Term Exposure Limit
TCSI	Taiwan Chemical Substance Inventory
TEEL	Temporary Emergency Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average