

SAFETY DATA SHEET



This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 01-Sep-2022

Revision Number 2

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

1.1. Product identifier

Product Name POLYOX™ WSR N3000 LV

Product Code(s) 175169

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

Recommended use Thickening agent
Binder
Lubricant
Processing aid
We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use, please contact your sales or technical service representative.

1.3. Details of the supplier of the safety data sheet

Supplier

Nutrition & Biosciences Netherlands B.V.
Willem Einthovenstraat 4
2342 BH Oegstgeest The Netherlands
Tel.: +31 71 5686 168
Fax: +31 71 5686 169

E-mail address sds.genencor@iff.com

1.4. Emergency telephone number

Emergency Telephone See section 16 for more information

| Emergency Telephone - §45 - (EC)1272/2008 | |
|---|--------------|
| Europe | 112 |
| Poison control centre phone number | 112 (Europe) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008
This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]***

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]***

2.3. Other hazards

WARNING. May form combustible dust concentrations in air.

SECTION 3: Composition/information on ingredients

3.1 Substances Not applicable***

3.2 Mixtures ***

| Chemical name | Weight-% | REACH registration number | EC No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---------------------------------------|----------|---------------------------|-------|---|------------------------------------|----------|----------------------|
| Poly(ethylene oxide)*** 25322-68-3 | 95 - 100 | No data available | - | - | - | - | - |

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

No information available

| Chemical name | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|---------------------------------------|-----------------|-------------------|---|--|--------------------------------------|
| Poly(ethylene oxide)*** 25322-68-3 | 22000*** | 20000*** | No data available | No data available | No data available |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|-----------------------|---|
| General advice | When in doubt or if symptoms are observed, get medical advice.*** |
| Inhalation | IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.*** |
| Eye contact | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.*** |
| Skin contact | IF ON SKIN: Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.*** |
| Ingestion | IF SWALLOWED: Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention if symptoms occur.*** |

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Get medical attention if irritation or other symptoms occur.***

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

Note to doctors Treat symptomatically.***

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable Extinguishing Media Foam. Dry powder. Water spray. Carbon dioxide (CO2).***

Unsuitable extinguishing media Keep product and empty container away from heat and sources of ignition. Do not use water jetstream.***

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.***

Hazardous combustion products Smoke production.***

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide adequate protection.***

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

Personal precautions Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Use personal protection recommended in Section 8. Sweep up to prevent slipping hazard.***

For emergency responders Use personal protection recommended in Section 8.***

6.2. Environmental precautions

Environmental precautions Clean contaminated objects and areas thoroughly observing environmental regulations.***

6.3. Methods and material for containment and cleaning up

Methods for containment Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Dispose of in accordance with local regulations.***

Methods for cleaning up Use industrial vacuum cleaners approved for combustible dust and area electrical classification.***

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.***

6.4. Reference to other sections

Reference to other sections See section 8 for more information.***

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

Advice on safe handling Avoid generation of dust and aerosols. Avoid contact with eyes, skin and clothing. Minimise dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA- 654).***

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection.***

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep/store only in original container. Keep container tightly closed in a dry and well-ventilated place.***

7.3. Specific end use(s)

Specific use(s) See section 1 for more information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits Based on data available for ingredients

| Chemical name | European Union | United Kingdom | France | Spain | Germany |
|---------------------------------------|----------------|----------------|--------|-------|--------------------------------|
| Poly(ethylene oxide)*** 25322-68-3 | - | - | - | - | TWA: 200 mg/m ³ *** |

| Chemical name | Italy | Portugal | Netherlands | Finland | Denmark |
|---------------------------------------|-------|----------|-------------|---------|---------------------------------|
| Poly(ethylene oxide)*** 25322-68-3 | - | - | - | - | TWA: 1000 mg/m ³ *** |

| Chemical name | Austria | Switzerland | Poland | Norway | Ireland |
|---------------------------------------|--|--------------------------------|--------|--------|---------|
| Poly(ethylene oxide)*** 25322-68-3 | TWA: 1000 mg/m ³ STEL 4000 mg/m ³ *** | TWA: 500 mg/m ³ *** | - | - | - |

8.2. Exposure controls

Engineering controls Ensure adequate ventilation. Avoid generation of dust and aerosols.***

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).***

Hand protection Wear protective gloves.***

Skin and body protection Wear protective gloves and protective clothing.***

Respiratory protection If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.***

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with eyes, skin and

clothing. Wear suitable gloves and eye/face protection.***

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|--------------------------|
| Appearance | Powder |
| Physical state | Solid |
| Colour | White to off-white |
| Odour | ammoniacal |
| Odour threshold | No information available |

| Property | Values | Remarks • Method |
|---|-------------------|-------------------------------|
| pH | No data available | None known |
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling range | No data available | None known |
| Flash point | No data available | CC (closed cup) |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapour pressure | No data available | None known |
| Relative vapour density | No data available | None known |
| Relative density | No data available | None known |
| Bulk density | No data available | |
| Liquid Density | No data available | |
| Water solubility | No data available | Soluble |
| Solubility(ies) | No data available | None known |
| Partition coefficient | No data available | bioconcentration : None known |
| Autoignition temperature | No data available | No data available |
| Decomposition temperature | | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Particle characteristics | | |
| Particle Size | | Not applicable |
| Particle Size Distribution | | Not applicable |

9.2. Other information

| | |
|------------------|--------|
| Molecular weight | > 1000 |
|------------------|--------|

9.2.1. Information with regards to physical hazard classes

| | |
|----------------------|-------------------|
| Not applicable | |
| Explosive properties | No data available |

9.2.2. Other safety characteristics

| | |
|----------------------------------|-------|
| No information available | |
| Sensitivity to mechanical impact | No*** |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|------------------|
| Reactivity | Not expected.*** |
|------------|------------------|

10.2. Chemical stability

| | |
|-----------|------------------------------------|
| Stability | Stable under normal conditions.*** |
|-----------|------------------------------------|

Explosion data**Sensitivity to mechanical impact** No.*****Sensitivity to static discharge** Yes.*****10.3. Possibility of hazardous reactions****Possibility of hazardous reactions** None under normal processing.*****Hazardous polymerisation** Hazardous polymerisation does not occur.*****10.4. Conditions to avoid****Conditions to avoid** Heat, flames and sparks. May form combustible dust concentrations in air.*****10.5. Incompatible materials****Incompatible materials** Keep away from heat, flames and sparks.*****10.6. Hazardous decomposition products****Hazardous decomposition products** No hazardous decomposition products known*****SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Product Information****Acute toxicity**

| | |
|---------------------|---|
| Inhalation | No information or data specific to the product on this toxicological (health) effect is available.*** |
| Eye contact | No information or data specific to the product on this toxicological (health) effect is available.*** |
| Skin contact | No information or data specific to the product on this toxicological (health) effect is available.*** |
| Ingestion | No information or data specific to the product on this toxicological (health) effect is available.*** |

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms** Get medical attention if irritation or other symptoms occur.*****Delayed and immediate effects as well as chronic effects from short and long-term exposure**

| | |
|--|------------------------------|
| Respiratory or skin sensitisation | No information available*** |
| Germ cell mutagenicity | No information available.*** |
| Carcinogenicity | No information available.*** |
| Reproductive toxicity | No information available.*** |
| STOT - single exposure | No information available.*** |
| STOT - repeated exposure | No information available.*** |

Aspiration hazard No information available.***

Numerical measures of toxicity

Component Information Classification based on data available for ingredients

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------|--------------------------|-------------------------|-----------------|
| Poly(ethylene oxide)*** | = 22 g/kg (Rat) *** | > 20 g/kg (Rabbit)*** | - |

*Poly(ethylene oxide)**** 25322-68-3

| | |
|-------------------------------|--------------------------------|
| Eye irritation | May cause slight irritation*** |
| Skin irritation | Non-irritating to the skin*** |
| Respiratory irritation | Non-irritant*** |
| Sensitisation | Non-irritant*** |
| Reproductive effects | Not expected*** |
| Mutagenic effects | Not mutagenic in AMES Test*** |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Based on data available for ingredients.***

12.2. Persistence and degradability

Persistence and degradability Based on data available for ingredients.***

12.3. Bioaccumulative potential

Bioaccumulative potential Based on data available for ingredients

| Chemical name | Bioaccumulation/Accumulation |
|---------------------------------------|---------------------------------|
| Poly(ethylene oxide)*** 25322-68-3 | No bioaccumulation potential*** |

Component Information Based on data available for ingredients***

12.4. Mobility in soil

Mobility No information available.***

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on data available for ingredients***

| Chemical name | PBT and vPvB assessment |
|---------------------------------------|------------------------------------|
| Poly(ethylene oxide)*** 25322-68-3 | The substance is not PBT / vPvB*** |

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

Other adverse effects No information available.***

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of wastes in an approved waste disposal facility. Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.***

Contaminated packaging Dispose of empty containers and wastes safely. Dispose of waste product or used containers according to local regulations.***

SECTION 14: Transport information

IATA

14.1 UN number or ID number Not regulated

14.2 Extended Proper Shipping Name Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

**14.6 Special Precautions for Users
Special Provisions** None

IMDG

14.1 UN number or ID number Not regulated

14.2 EPNM Not regulated

14.3 Transport hazard class(es) Not regulated

14.4 Packing group Not regulated

14.5 Environmental hazards Not applicable

**14.6 Special Precautions for Users
Special Provisions** None

14.7 Maritime transport in bulk according to IMO instruments No information available

RID

14.1 UN number Not regulated

14.2 Extended Proper Shipping Name Not regulated

| | |
|------------------------------------|----------------|
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Precautions for Users | |
| Special Provisions | None |

ADR

| | |
|------------------------------------|----------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special Precautions for Users | |
| Special Provisions | None |

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Water hazard class (WGK) Based on data available for ingredients

Mixture Based on data available for ingredients

| Chemical name | CAS No | WGK Classification (AwSV) |
|-------------------------|------------|---------------------------|
| Poly(ethylene oxide)*** | 25322-68-3 | Klasse (class) 1*** |

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

All of the components in the product are on the following Inventory lists

| Chemical name | AICS | DSL/NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS |
|---------------------------------------|------|----------|---------------|------|-------|------|-------|
| Poly(ethylene oxide)*** 25322-68-3 | X*** | X*** | X*** | X*** | X*** | X*** | X*** |

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Further information

ATEX Directive 1999/92/EC, Workplace Requirements for Explosive Atmospheres
ATEX Directive 94/9/EC, Equipment for use in Explosive Atmospheres

Telephone enquiry:
CHEMTREC NUMBERS
Belgium: 32-28083237
Bulgaria: 359-32570104
Croatia: 385-17776920
Czech Republic: 420-228880039
Denmark: 45-69918573
Estonia: 372-6681294
Finland: 358-942419014
France: 33-975181407
Germany: 0800-181-7059
Greece: 30-2111768478
Hungary: 36-18088425
Iceland: 354 539 0655
India: 000-800-100-7141
Ireland: 353-19014670
Israel: 972-37630639
Italy: 39-0245557031
Latvia: 371-66165504
Lithuania: 370-52140238
Luxembourg: 352-20202416
Macedonia: 389 2 551 7456
Mexico: 01-800-681-9531
Netherlands: 31-858880596
Nigeria: 234 1 227 8883
Poland: 48-223988029
Portugal: 351-308801773
Romania: 40-37-6300026
Russia: 8-800-100-6346
Saudi Arabia: 966-8111095861
Slovakia: 421-233057972
Slovenia: 38-618888016
South Africa: 0-800-983-611
Spain: 34-931768545
Sweden: 46-852503403
Switzerland: 41-435082011
Turkey: 90-212-7055340
Ukraine: 380-947101374
United Kingdom: 44-870-8200418 and 44-2038073798

Revision date 01-Sep-2022

Reason for revision ***Indicates updated section

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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