



SAFETY DATA SHEET

This Safety Data Sheet was compiled in accordance with regulation 30105 dated 23 June 2017 "Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals (KKDIK)"

Product Code(s) 166174
Revision date 19-Aug-2025

Product Name POLYOX™ WSR 301
Revision number 1

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

1.1. Product identifier

Product Name	POLYOX™ WSR 301
Product Code(s)	166174
Pure substance/mixture	Mixture

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

Recommended use	Pharmaceutical
Uses advised against	None under normal use conditions

1.3. Details of the supplier of the safety data sheet

Supplier

Danisco Dis Ticaret Limited Sirketi
Barbaros Mah. Kardelen Sok. No:2
Palladum Tower Is Merk. K:12
34746 ATASEHIR
TURKEY

E-mail address	sds.genencor@iff.com
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1.4. Emergency telephone number

Emergency Telephone	+32 (0) 50 44 91 73
Emergency telephone number	National Poison Information Center (UZEM) - Turkey: 114 Emergency Medical Services - Turkey: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Turkish CLP (28848), as amended
This mixture or substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

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

Hazard statements

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

2.3. Other hazards

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WARNING. May form combustible dust concentrations in air. The components in this formulation do not meet the criteria for classification as PBT or vPvB.

PBT & vPvB Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Substances Not applicable

3.2 Mixtures

Chemical name	KKDIK registration number	Weight-%	EC No (EU Index No)	Classification according to Turkish CLP (28848), as amended
Poly(ethylene oxide) 25322-68-3	-	95 - 100	-	-

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

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.
Effects of Exposure	No information available.

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

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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. See section 13 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

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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.

Biological occupational exposure limits Based on data available for ingredients

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

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.

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Environmental exposure controls No information available.

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
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known
Flammability (solid, gas)	No data available	May form combustible dust concentrations in air
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	CC (closed cup)
Autoignition temperature	No data available	No data available
Decomposition temperature		None known
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Water solubility	No data available	Soluble
Solubility(ies)	No data available	None known
Partition coefficient	No data available	bioconcentration : None known
Vapour pressure	No data available	None known
Relative density	No data available	None known
Relative vapour density	No data available	None known
Particle characteristics		
Particle Size	No data available	
Particle Size Distribution	No data available	
Explosive properties	No data available.	

9.2. Other information

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.

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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. Toxicological information

Information on likely routes of exposure

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.

Other adverse effects No information available.

Numerical measures of toxicity

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Component Information

Based on data available for ingredients

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

Poly(ethylene oxide) 25322-68-3

Eye irritation	Not expected
Skin irritation	Not expected
Respiratory irritation	Not expected
Sensitisation	Not expected
Reproductive effects	Not expected
Mutagenic effects	Not expected
Systemic Toxicity	Not expected
Carcinogenicity	Not expected
Teratogenicity	Not expected

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 Molecular weight >1,000

Component Information

Based on data available for ingredients

12.4. Mobility in soil

Mobility in soil 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)	The substance is not PBT / vPvB

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12.6. Other adverse effects

Other adverse effects None known.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors

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

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

RID

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

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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

National regulations

KKDIK Contact supplier for inventory compliance status
KKDIK - Turkish Inventory and Control of Chemicals

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This product is classified in accordance with 28848 dated 11 December 2013 "The Ministry of Environment and Urbanisation of the Republic of Türkiye Regulation on Classification, Labelling and Packaging (CLP) of Dangerous Substances and Preparations" As amended by regulation 31330 dated 10 December 2020 "Regulation on Classification, Labelling and Packaging of Substances and Mixtures"

Please refer to the following regulations or other national measures that are related.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation

This product does not contain substances subject to restriction

Health and Safety Measures Involving Chemical Substances at Workplaces - Prohibited Substances

None

Dangerous substance category per Regulation on prevention of major industrial accidents and lessening their adverse impacts (30702)

Non-controlled

Ozone-depleting substances (ODS)

Not applicable

The Rotterdam Convention

Not applicable

The Stockholm Convention on Persistent Organic Pollutants

Not applicable

The Montreal Protocol on Substances that Deplete the Ozone Layer

Not applicable

International Inventories

Chemical name	EINECS/ELINCS
Poly(ethylene oxide) 25322-68-3	X

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Legend:

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

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

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Reason for revision ***Indicates updated section

Key or legend to abbreviations and acronyms used in the safety data sheet

ADR: European Agreement on International Transport of Dangerous Goods by Road

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

RID: Rail transport

IATA: International Air Transport Association

ICAO-TI: Technical Specification for Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

TWA: Time weighted average

STEL: Short-term workplace exposure limit

ATE: Estimated acute toxicity value

EC No: European Community number

CAS: Chemical Abstracts Service

LD50: Dose of substance causing 50% (half) death in the group of test animals (Median Deadly Dose)

LC50: Substance concentration causing 50% (half) death in the group of test animals

EC50: Effective Concentration of the substance causing 50% maximum response

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very Persistent, Very Bioaccumulative

SEA: Classification, labeling, packaging regulations

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

STOT: Specific target organ toxicity

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