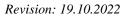
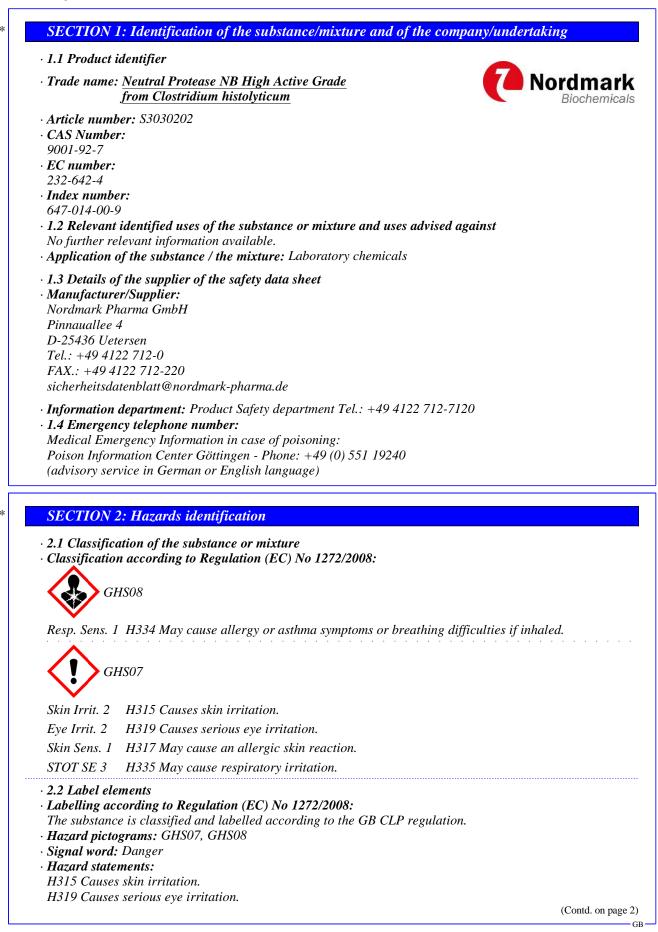
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Trade name: Neutral Protease NB High Active Grade from Clostridium histolyticum

Jrom	Clostriaium nistolyticum
	(Contd. of page 1
H334 May cau	se allergy or asthma symptoms or breathing difficulties if inhaled.
•	se an allergic skin reaction.
	se respiratory irritation.
· Precautionary	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see on this label).
	338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, a
1000 11001 11	present and easy to do. Continue rinsing.
P362+P364	Take off contaminated clothing and wash it before reuse.
	ickages where the contents do not exceed 125 ml
	rams GHS07, GHS08
· Signal word D	
· Hazard statem	
	se allergy or asthma symptoms or breathing difficulties if inhaled.
	se an allergic skin reaction.
· Precautionary	
•	ear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	ON SKIN: Wash with plenty of soap and water.
\cdot 2.3 Other haza	
	T and vPvB assessment:
	sessment not available.
	issessment not available.
$\cdot \mathbf{VI} \mathbf{VD} \cdot \mathbf{VI} \mathbf{VD} - \mathbf{U}$	issessment not available.
SECTION 3:	Composition/information on ingredients
· 3.1 Substances	
· CAS No. Desc	
9001-92-7 Pro	
 Identification 	
• EC number: 2.	
· Index number.	647-014-00-9
· Description:	
• MW: ca. 3400)
SECTION 4:	First aid measures
. A 1 Description	n of first aid measures
	<i>n:</i> Supply fresh air; consult doctor in case of complaints.
· After skin con	
	act: ash with water and soap and rinse thoroughly.
•	· · ·
	ninated clothing immediately.
· After eye conto	
-	
	g. Consult ophthalmologist immediately.
• After swallowi	ng:
Wash out mout	g. Consult ophthalmologist immediately. ng: h. Drink plenty of water and supply fresh air. Consult doctor if you feel unwell.
Wash out mout • 4.2 Most impo	g. Consult ophthalmologist immediately. ng: h. Drink plenty of water and supply fresh air. Consult doctor if you feel unwell. rtant symptoms and effects, both acute and delayed
Wash out mout • 4.2 Most impo	g. Consult ophthalmologist immediately. ng: h. Drink plenty of water and supply fresh air. Consult doctor if you feel unwell.

• **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO_2 , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- \cdot 5.2 Special hazards arising from the substance or mixture:
- Formation of dangerous gases or vapours is possible in case of fire.
- In case of fire, the following can be formed, but not limited to:
- Nitrogen oxides (NOx)
- Carbon monoxide and carbon dioxide
- Sulphur oxides (SOx) • 5.3 Advice for firefighters
- **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective clothing.
- Ensure adequate ventilation
- Avoid contact with the eyes and skin.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up Dispose contaminated material as waste according to item 13. Pick up mechanically.
- 6.4 Reference to other sections
 See Section 7 for information on safe handling
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

- Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- \cdot Requirements to be met by storerooms and receptacles: Store at +2 to +8 °C
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed and store in dry conditions.
- 7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls: No further data; see item 7.
- · Individual protection measures, such as personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Store protective clothing separately.

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· · · · · · · · · · · ·	(Contd. of pag
Immediately remove all soiled and contaminated cl	lothing
Avoid contact with the eyes and skin.	
Wash hands before breaks and at the end of work.	
Breathing equipment:	
Short term filter device:	
Filter P2.	
Hand protection:	
	istant to the product/ the substance/ the preparation.
Protective gloves.	
	ve material can be given for the product/ the preparati
the chemical mixture.	on of the non-struction times, nates of diffusion and
	on of the penetration times, rates of diffusion and
degradation Material of gloves:	
	ly depend on the material, but also on further marks
quality and varies from manufacturer to manufactu	
Penetration time of glove material:	
	y the manufacturer of the protective gloves and has to
observed.	y the manufacturer of the protective gloves and has to
	5 minutes gloves made of the following materials
suitable:	eares stores made of the jouoning materials
Natural rubber, NR	
Nitrile rubber, NBR	
Eye/face protection: Safety glasses	
Body protection: Protective work clothing.	
SECTION 9: Physical and chemical propertie	28
SECTION 9: Physical and chemical propertie	
SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pa	
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SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical particular General Information: Physical state: Colour: Odour: Odour threshold: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: Viscosity: Kinematic viscosity: Dynamic viscosity:	roperties Solid. beige to brown Odourless Not determined. no information available no information available Product is not flammable. Not determined. Not determined. Not determined. Not determined. Not determined.
SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical particle General Information: Physical state: Colour: Odour: Odour threshold: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility:	roperties Solid. beige to brown Odourless Not determined. no information available no information available Product is not flammable. Not determined. Not determined. Not applicable Not determined. Not applicable. Not applicable.
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SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical particle General Information: Physical state: Colour: Odour: Odour threshold: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value):	roperties Solid. beige to brown Odourless Not determined. no information available no information available Product is not flammable. Not determined. Not determined. Not applicable Not determined. Not applicable. Not applicable. Soluble Not determined.
SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical pro- General Information: Physical state: Colour: Odour: Odour threshold: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value): Vapour pressure:	roperties Solid. beige to brown Odourless Not determined. no information available no information available Product is not flammable. Not determined. Not determined. Not applicable Not determined. Not applicable. Not applicable. Soluble
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SECTION 9: Physical and chemical propertie 9.1 Information on basic physical and chemical particle General Information: Physical state: Colour: Odour: Odour threshold: Melting point/freezing point: Boiling point or initial boiling point and boiling range: Flammability: Lower and upper explosion limit: Lower: Upper: Flash point: Decomposition temperature: Viscosity: Kinematic viscosity: Dynamic viscosity: Solubility: Water: Partition coefficient n-octanol/water (log value):	roperties Solid. beige to brown Odourless Not determined. no information available no information available Product is not flammable. Not determined. Not determined. Not applicable Not determined. Not applicable. Not applicable. Soluble Not determined.

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Powder

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• 9.2 Other information

· Appearance:

· Form:

- · Important information on protection of health and
- environment, and on safety:
- Explosive properties:
- Molecular weight

Product is not explosive. However, formation of explosive dust-/air mixtures are possible. ~34,000 g/mol

SECTION 10: Stability and reactivity

- · 10.1 Reactivity: No further relevant informations available
- · 10.2 Chemical stability:
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion
- 10.4 Conditions to avoid: thermal decomposition: protein denaturation
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: In case of fire: See Section 5

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:
- Acute toxicity: Based on available data, the classification criteria are not met.
- · Skin corrosion/irritation: Causes skin irritation.
- · Serious eye damage/irritation: Causes serious eye irritation.
- **Respiratory or skin sensitisation:** May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- · STOT-single exposure: May cause respiratory irritation.
- STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.
- \cdot Additional toxicological information:
- Acute effects (acute toxicity, irritation and corrosivity) Respiratory irritation is possible.
- · 11.2 Information on other hazards:
- Endocrine disrupting properties: Substance is not listed.

SECTION 12: Ecological information

- · 12.1 Toxicity:
- $\cdot \textit{Aquatic toxicity: No further relevant information available.}$
- · 12.2 Persistence and degradability: No further relevant information available.
- 12.3 Bioaccumulative potential: No further relevant information available.
- · 12.4 Mobility in soil: No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment:
- · **PBT:** PBT assessment not available.
- · **vPvB**: vPvB assessment not available.

• 12.6 Endocrine disrupting properties: For information on endocrine disrupting properties see section 11.

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· 12.7 Other adverse effects:

• Additional ecological information:

• General notes:

Do not allow product to reach ground water, water course or sewage system. Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Disposal must be made according to official regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation:

Disposal of uncleaned packagings must be made according to official regulations in the same manner as the product.

• Recommended cleansing agent: Water, if necessary with cleansing agents.

SECTION 14: Transport information

Void
Void
Void
Void
No
Not applicable.
O Not applicable.
Not dangerous according to the above specifications.
Void

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

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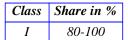
• REGULATION (EU) 2019/1148 • Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

- · Annex II REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.
- Regulation (EC) No 273/2004 on drug precursors Substance is not listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors Substance is not listed.

· National regulations:

• Technical instructions (air):



• Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Product safety department

- · Contact: Tel.: +49 4122 712-7120
- Date of previous version: 01.03.2021

· Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation PBT: persistent, bioaccumulative, toxic substance (UK REACH) vPvB: very persistent, very bioaccumulative substance (UK REACH) UK REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals GB CLP: Regulation on classification, labelling and packaging of substances and mixtures bw: body weight ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 Resp. Sens. 1: Respiratory sensitisation - Category 1 Skin Sens. 1: Skin sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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