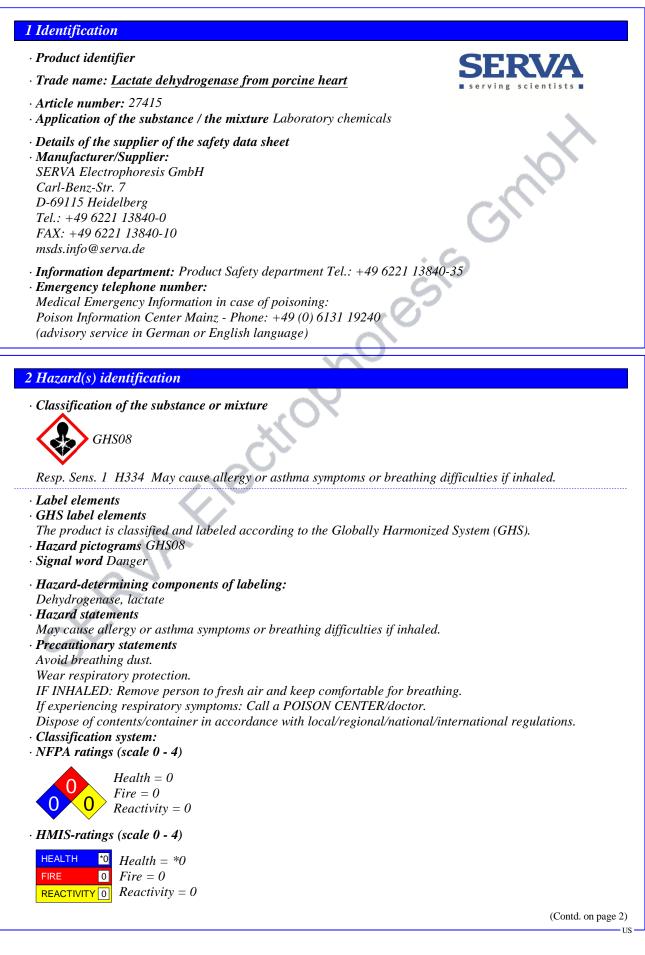
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- Other hazards
- · Results of PBT and vPvB assessment
- *PBT:* Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

· Chemical characterization: Mixtures

- · Description: Mixture of the substances listed below with nonhazardous additions.
- · Dangerous components:

9001-60-9 Dehydrogenase, lactate

· Additional information: For the wording of the listed hazard phrases refer to section 16.

## 4 First-aid measures

- · Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing:
- Rinse out mouth and then drink plenty of water.
- If symptoms persist consult doctor.
- Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

# **5** Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:
- $CO_{2}$  extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · Special hazards arising from the substance or mixture No further relevant information available.
- · Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

## 6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- · Environmental precautions: Dilute with plenty of water.
- *Methods and material for containment and cleaning up:* Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- 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.

# 7 Handling and storage

## · Handling:

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

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· Information about protection against explosions and fires: No special measures required.

· Conditions for safe storage, including any incompatibilities

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- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
- **Breathing equipment:** Short term filter device: Filter P2
- · Protection of hands:
- Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

 $\cdot$  For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Natural rubber, NR Nitrile rubber, NBR

- Eve protection: Tightly sealed goggles
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· Information on basic physical and chemical properties

Suspension

Whitish

- · General Information
- · Appearance:
  - Form: Color:

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· Odor:	Characteristic
• Change in condition Melting point/Melting range: Boiling point/Boiling range:	
· Flash point:	Not applicable.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible.
· Solvent content: Organic solvents:	0.0 %
Solids content: • Other information	ca. 60.0 % No further relevant information available.

# 10 Stability and reactivity

· Reactivity No further relevant information available.

- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- *Conditions to avoid* No further relevant information available.
- $\cdot \textit{Incompatible materials: } No further relevant information available.$
- Hazardous decomposition products: No dangerous decomposition products known.

# **11 Toxicological information**

- · Information on toxicological effects
- · Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- $\cdot$  on the eye: No irritating effect.
- · Sensitization: Sensitization possible through inhalation.
- Additional toxicological information: The product shows the following dangers according
- The product shows the following dangers according to internally approved calculation methods for preparations:
- Harmful
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)
- None of the ingredients is listed.
- · NTP (National Toxicology Program)
- None of the ingredients is listed.

## · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

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# **12 Ecological information**

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:
- · General notes: Generally not hazardous for water
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

## **13 Disposal considerations**

· Waste treatment methods

- · Recommendation:
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

Transport information	
UN-Number DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	Void
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA Class	Void
Packing group DOT, ADR, IMDG, IATA	Void
Environmental hazards: Marine pollutant:	Not applicable. No
Special precautions for user	Not applicable.
Transport in bulk according to Annex I MARPOL73/78 and the IBC Code	<b>II of</b> Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN ''Model Regulation'':	Void

## **15 Regulatory information**

- $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Section 355 (extremely hazardous substances):
- None of the ingredients is listed.

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	n 313 (Specific toxic chemical listings):
None c	of the ingredients is listed.
	(Toxic Substances Control Act):
All ing	redients are listed.
-	sition 65
None c	of the ingredients is listed.
Chemi	cals known to cause cancer:
None of	f the ingredients is listed.
Chemi	cals known to cause reproductive toxicity for females:
None c	of the ingredients is listed.
Chemi	cals known to cause reproductive toxicity for males:
None of	of the ingredients is listed.
Chemi	cals known to cause developmental toxicity:
None of	of the ingredients is listed.
Cancer	rogenity categories
	Environmental Protection Agency)
,	f the ingredients is listed.
TLV (	Threshold Limit Value established by ACGIH)
	f the ingredients is listed.
	H-Ca (National Institute for Occupational Safety and Health)
	f the ingredients is listed.
The pro <b>Hazaro</b>	<b>abel elements</b> oduct is classified and labeled according to the Globally Harmonized System (GHS). <b>d pictograms</b> GHS08 <b>word</b> Danger
Hazara	d-determining components of labeling:
Dehydi	rogenase, lactate
-	d statements ause allergy or asthma symptoms or breathing difficulties if inhaled.
-	itionary statements
	breathing dust.
	espiratory protection. IALED: Remove person to fresh air and keep comfortable for breathing.
If expe	riencing respiratory symptoms: Call a POISON CENTER/doctor.
	e of contents/container in accordance with local/regional/national/international regulations.
Chemi	cal safety assessment: A Chemical Safety Assessment has not been carried out.
Other	information
	formation is based on our present knowledge. However, this shall not constitute a guarantee for a c product features and shall not establish a legally valid contractual relationship.
Depart	tment issuing SDS: Product safety department
	et: +49 6221 13840-35

• 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 (REACH) vPvB: very persistent, very bioaccumulative substance (REACH)

REACH: Regulation concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

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CLP: Regulation on classification, labelling and packaging of substances and mixtures
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International
Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Resp. Sens. 1: Respiratory sensitisation – Category 1
$\cdot$ * Data compared to the previous version altered.