Safety Data Sheet
acc. to OSHA HCS

Printing date 04/23/2025 Reviewed on 04/23/2025

1 Identification

*Product identifier
*Trade name: Conductivity Standard 100,000 µS/cm @25°C

*Article number: 31049540
*Application of the substance / the mixture Laboratory chemicals

*Details of the supplier of the safety data sheet
*Manufacturer/Supplier: See Below
*Manufacturer:
Reagecon Diagnostics Ltd.
Shannon Free Zone,
Shannon,
Co. Clare,
Ireland.
Tel +353 61 472622
Fax +353 61 472642
*Supplier:
Mettler-Toledo GmbH
Im Langacher 44
CH-8606 Greifensee
Switzerland
Tel: +41 22 567 53 22
Fax: +41 22 567 53 23
Email: msganachem@mt.com

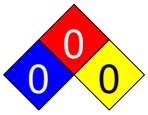
*Information department: sds@reagecon.ie
*Emergency telephone number:
National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC
For Ireland call +(353)-19014670
For Outside Ireland call +1 703-741-5970 / 1-800-424-9300 CCN849800

2 Hazard(s) identification

*Classification of the substance or mixture
The product is not classified, according to the Globally Harmonized System (GHS).

*Label elements
*GHS label elements Void
*Hazard pictograms Void
*Signal word Void
*Hazard statements Void
*Classification system:
*NFPA ratings (scale 0-4)



Health = 0
Fire = 0
Reactivity = 0

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

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3 Composition/information on ingredients

*Chemical characterization: Mixtures
*Description: Mixture of the substances listed below with nonhazardous additions.

*Dangerous components: Void

*Non- Hazardous Components		
CAS: 7732-18-5	PURIFIED WATER	50-100%
CAS: 7447-40-7	potassium chloride	2.5-10%
CAS: 26628-22-8	sodium azide	≤2.5%

4 First-aid measures

*Description of first aid measures
*General information: No special measures required.
*After inhalation: Supply fresh air; consult doctor in case of complaints.
*After skin contact: Generally the product does not irritate the skin.
*After eye contact: Rinse opened eye for several minutes under running water.
*After swallowing: 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: Use fire fighting measures that suit the environment.
*Special hazards arising from the substance or mixture No further relevant information available.
*Advice for firefighters
*Protective equipment: No special measures required.

6 Accidental release measures

*Personal precautions, protective equipment and emergency procedures Not required.
*Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
*Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
*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.
*Protective Action Criteria for Chemicals

*PAC-1:		
CAS: 26628-22-8	sodium azide	0.026 mg/m³

*PAC-2:		
CAS: 26628-22-8	sodium azide	0.29 mg/m³

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*PAC-3:		
CAS: 26628-22-8	sodium azide	5.3 mg/m³

7 Handling and storage

***Handling:**
***Precautions for safe handling** No special measures required.
***Information about protection against explosions and fires:** No special measures required.

***Conditions for safe storage, including any incompatibilities**
***Storage:**
***Requirements to be met by storerooms and receptacles:** No special requirements.
***Information about storage in one common storage facility:** Not required.
***Further information about storage conditions:** None.
***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 section 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:**
The usual precautionary measures for handling chemicals should be followed.
***Breathing equipment:** Not required.
***Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
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.
Nitrile rubber, NBR
***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.
***Eye protection:**



Goggles recommended during refilling.

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9 Physical and chemical properties

***Information on basic physical and chemical properties**	
***General Information**	
***Appearance:**	
Form:	Liquid
Color:	According to product specification
***Odor:**	Characteristic
***Odor threshold:**	Not determined.
***pH-value:**	Not determined.
***Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
***Flash point:**	Not applicable.
***Flammability:**	Not applicable.
***Decomposition temperature:**	Not determined.
***Ignition temperature:**	Product is not selfigniting.
***Danger of explosion:**	Product does not present an explosion hazard.
***Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
***Vapor pressure at 20 °C (68 °F):**	23 hPa (17.3 mm Hg)
***Density at 20 °C (68 °F):**	1.13076 g/cm³ (9.43619 lbs/gal)
***Relative density**	Not determined.
***Vapor density**	Not determined.
***Evaporation rate**	Not determined.
***Solubility in / Miscibility with**	
Water:	Fully miscible.
***Partition coefficient (n-octanol/water):**	Not determined.
***Viscosity:**	
Dynamic:	Not determined.
Kinematic:	Not determined.
***Solvent content:**	
Water:	93.6 %
Solids content:	6.8 %
***Other information**	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.
***Incompatible materials:** No further relevant information available.
***Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

*Information on toxicological effects
*Acute toxicity:
*Primary irritant effect:
*on the skin: No irritant effect.
*on the eye: No irritating effect.
*Sensitization: No sensitizing effects known.
*Additional toxicological information:
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

*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.

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:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
*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: Smaller quantities can be disposed of with household waste.

*Uncleaned packagings:
*Recommendation: Disposal must be made according to official regulations.
*Recommended cleansing agent: Water, if necessary with cleansing agents.

US

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14 Transport information

***UN-Number** ***DOT, ADR, IMDG, IATA**	*Void*
***UN proper shipping name** ***DOT, ADR, IMDG, IATA**	*Void*
***Transport hazard class(es)** ***DOT, ADR, IMDG, IATA** ***Class**	*Void*
***Packing group** ***DOT, ADR, IMDG, IATA**	*Void*
***Environmental hazards:**	*Not applicable.*
***Special precautions for user**	*Not applicable.*
***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	*Not applicable.*
***UN "Model Regulation":**	*Void*

15 Regulatory information

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

***SARA Section 355 (extremely hazardous substances)**

CAS: 26628-22-8	*sodium azide*

***SARA Section 313 (specific toxic chemical listings)**

CAS: 26628-22-8	*sodium azide*

***TSCA (Toxic Substances Control Act)**

All components have the value ACTIVE.

***Hazardous Air Pollutants**

None of the ingredients is listed.

***Prop 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

***Cancerogenity categories**

***EPA (Environmental Protection Agency)**

None of the ingredients is listed.

***TLV (Threshold Limit Value)**

CAS: 26628-22-8	*sodium azide*	*A4*

***MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

***NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

***GHS label elements** Void
***Hazard pictograms** Void
***Signal word** Void
***Hazard statements** Void

***National regulations:**

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

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

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:** Health and Safety*
***Contact:** sds@reagecon.ie*
***Date of preparation / last revision** 04/23/2025 / -*
Abbreviations and acronyms:
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
DOT: US Department of Transportation
IATA: International Air Transport Association
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)
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