



SAFETY DATA SHEET

INNOVANCE® Free PS AG

Section 1. Identification

Product identifier : INNOVANCE® Free PS AG
Product code : OPGL03, 10873858; OPGL07, 10873921
Product type : Liquid.

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

Not applicable.

Manufactured/supplied : Sysmex Americas
577 Aptakistic RD
Lincolnshire, IL 60069
Company Phone Number: (224) 543-9500

Emergency telephone number ChemTel Inc.
1-800-255-3924 (North America)
1-813-248-0585 (International)

Section 2. Hazards identification

OSHA/HCS status : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

Additional information : Potentially biohazardous material.
Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

GHS label elements

Signal word : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer
No signal word.
No signal word.

Hazard statements : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Precautionary statements

Prevention : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer
Not applicable.
Not applicable.

Response : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer
Not applicable.
Not applicable.

Storage : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer
Not applicable.
Not applicable.

Section 2. Hazards identification

Disposal	: INNOVANCE® Free PS Ag Reagent	Not applicable.
	: INNOVANCE® Free PS Ag Buffer	Not applicable.
Supplemental label elements	: INNOVANCE® Free PS Ag Reagent	None known.
	: INNOVANCE® Free PS Ag Buffer	None known.
Hazards not otherwise classified	: INNOVANCE® Free PS Ag Reagent	None known.
	: INNOVANCE® Free PS Ag Buffer	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: INNOVANCE® Free PS Ag Reagent	Mixture
	: INNOVANCE® Free PS Ag Buffer	Mixture

Ingredient name	%	CAS number
INNOVANCE® Free PS Ag Reagent		
sodium azide	≤0.1	26628-22-8
INNOVANCE® Free PS Ag Buffer		
sodium azide	≤0.1	26628-22-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: INNOVANCE® Free PS Ag Reagent	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: INNOVANCE® Free PS Ag Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: INNOVANCE® Free PS Ag Reagent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	: INNOVANCE® Free PS Ag Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: INNOVANCE® Free PS Ag Reagent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	: INNOVANCE® Free PS Ag Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Section 4. First aid measures

<p>Ingestion</p>	<p>: INNOVANCE® Free PS Ag Reagent</p>	<p>Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
	<p>INNOVANCE® Free PS Ag Buffer</p>	<p>Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>

Most important symptoms/effects, acute and delayed

Potential acute health effects

<p>Eye contact</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>
<p>Inhalation</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>
<p>Skin contact</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>
<p>Ingestion</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No known significant effects or critical hazards.</p> <p>No known significant effects or critical hazards.</p>

Over-exposure signs/symptoms

<p>Eye contact</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No specific data.</p> <p>No specific data.</p>
<p>Inhalation</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No specific data.</p> <p>No specific data.</p>
<p>Skin contact</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No specific data.</p> <p>No specific data.</p>
<p>Ingestion</p>	<p>: INNOVANCE® Free PS Ag Reagent</p> <p>INNOVANCE® Free PS Ag Buffer</p>	<p>No specific data.</p> <p>No specific data.</p>

Indication of immediate medical attention and special treatment needed, if necessary

<p>Notes to physician</p>	<p>: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p>
<p>Specific treatments</p>	<p>: No specific treatment.</p>
<p>Protection of first-aiders</p>	<p>: No action shall be taken involving any personal risk or without suitable training.</p>

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

<p>Suitable extinguishing media</p>	<p>: In case of fire, use water spray (fog), foam or dry chemical.</p>
<p>Unsuitable extinguishing media</p>	<p>: None known.</p>

Section 5. Fire-fighting measures

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
INNOVANCE® Free PS Ag Reagent sodium azide	ACGIH TLV (United States, 1/2021). C: 0.29 mg/m ³ , (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m ³ , (as NaN3) NIOSH REL (United States, 10/2020). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m ³ , (NaN3)
INNOVANCE® Free PS Ag Buffer sodium azide	ACGIH TLV (United States, 1/2021). C: 0.29 mg/m ³ , (as Sodium azide) C: 0.11 ppm, (as Hydrazoic acid vapor) OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m ³ , (as NaN3) NIOSH REL (United States, 10/2020). Absorbed through skin. CEIL: 0.1 ppm, (as HN3) CEIL: 0.3 mg/m ³ , (NaN3)

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Physical state	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Liquid. Liquid.
Color	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	White. Clear Yellowish. [Light]
Odor	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Odorless. Odorless.
pH	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	8.2 7
Flash point	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	[Product does not sustain combustion.] [Product does not sustain combustion.]
Flammability (solid, gas)	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Relative density	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	1.055 1.005
Solubility(ies)	:	
Not available.		
Solubility in water	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not available. Not available.
Partition coefficient: n-octanol/water	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Auto-ignition temperature	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not available. Not available.
Viscosity	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
<u>Aerosol product</u>		
Type of aerosol	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not applicable. Not applicable.

Section 10. Stability and reactivity

Reactivity	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	The product is stable. The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.	
Conditions to avoid	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	No specific data. No specific data.
Incompatible materials	: INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	No specific data. No specific data.

Section 10. Stability and reactivity

Hazardous decomposition products : INNOVANCE® Free PS Ag Reagent

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

INNOVANCE® Free PS Ag Buffer

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
INNOVANCE® Free PS Ag Reagent sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-
INNOVANCE® Free PS Ag Buffer sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

Conclusion/Summary : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Irritation/Corrosion

Not available.

Conclusion/Summary

Skin : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Eyes : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Respiratory : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Sensitization

Not available.

Conclusion/Summary

Skin : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Respiratory : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Mutagenicity

Not available.

Conclusion/Summary : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Carcinogenicity

Not available.

Conclusion/Summary : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Reproductive toxicity

Not available.

Conclusion/Summary : INNOVANCE® Free PS Ag Reagent
INNOVANCE® Free PS Ag Buffer

Not available.
Not available.

Teratogenicity

Not available.

Section 11. Toxicological information

Conclusion/Summary : INNOVANCE® Free PS Ag Reagent Not available.
INNOVANCE® Free PS Ag Buffer Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : INNOVANCE® Free PS Ag Reagent Not available.
INNOVANCE® Free PS Ag Buffer Not available.

Potential acute health effects

Eye contact : INNOVANCE® Free PS Ag Reagent No known significant effects or critical hazards.
INNOVANCE® Free PS Ag Buffer No known significant effects or critical hazards.

Inhalation : INNOVANCE® Free PS Ag Reagent No known significant effects or critical hazards.
INNOVANCE® Free PS Ag Buffer No known significant effects or critical hazards.

Skin contact : INNOVANCE® Free PS Ag Reagent No known significant effects or critical hazards.
INNOVANCE® Free PS Ag Buffer No known significant effects or critical hazards.

Ingestion : INNOVANCE® Free PS Ag Reagent No known significant effects or critical hazards.
INNOVANCE® Free PS Ag Buffer No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : INNOVANCE® Free PS Ag Reagent No specific data.
INNOVANCE® Free PS Ag Buffer No specific data.

Inhalation : INNOVANCE® Free PS Ag Reagent No specific data.
INNOVANCE® Free PS Ag Buffer No specific data.

Skin contact : INNOVANCE® Free PS Ag Reagent No specific data.
INNOVANCE® Free PS Ag Buffer No specific data.

Ingestion : INNOVANCE® Free PS Ag Reagent No specific data.
INNOVANCE® Free PS Ag Buffer No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : INNOVANCE® Free PS Ag Reagent Not available.
INNOVANCE® Free PS Ag Buffer Not available.

Potential delayed effects : INNOVANCE® Free PS Ag Reagent Not available.
INNOVANCE® Free PS Ag Buffer Not available.

Long term exposure

Potential immediate effects : INNOVANCE® Free PS Ag Reagent Not available.
INNOVANCE® Free PS Ag Buffer Not available.

Potential delayed effects : INNOVANCE® Free PS Ag Reagent Not available.
INNOVANCE® Free PS Ag Buffer Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Not available. INNOVANCE® Free PS Ag Reagent
Not available. INNOVANCE® Free PS Ag Buffer

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Section 11. Toxicological information

Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
INNOVANCE® Free PS Ag Reagent sodium azide	27	20	N/A	N/A	N/A
INNOVANCE® Free PS Ag Buffer sodium azide	27	20	N/A	N/A	N/A

Interactive effects : INNOVANCE® Free PS Ag Reagent Not available.
 INNOVANCE® Free PS Ag Buffer Not available.

Other information : INNOVANCE® Free PS Ag Reagent Not available.
 INNOVANCE® Free PS Ag Buffer Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
INNOVANCE® Free PS Ag Reagent sodium azide	Acute EC50 9200 µg/l Marine water	Algae - <i>Macrocystis pyrifera</i>	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - <i>Simocephalus serrulatus</i> - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - <i>Daphnia pulex</i> - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - <i>Lepomis macrochirus</i>	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - <i>Macrocystis pyrifera</i>	96 hours
INNOVANCE® Free PS Ag Buffer sodium azide	Acute EC50 9200 µg/l Marine water	Algae - <i>Macrocystis pyrifera</i>	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - <i>Simocephalus serrulatus</i> - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - <i>Daphnia pulex</i> - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - <i>Lepomis macrochirus</i>	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - <i>Macrocystis pyrifera</i>	96 hours

Conclusion/Summary : INNOVANCE® Free PS Ag Reagent Not available.
 INNOVANCE® Free PS Ag Buffer Not available.

Persistence and degradability

Conclusion/Summary : INNOVANCE® Free PS Ag Reagent Not available.
 INNOVANCE® Free PS Ag Buffer Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : INNOVANCE® Free PS Ag Reagent Not available.
 INNOVANCE® Free PS Ag Buffer Not available.
Mobility : INNOVANCE® Free PS Ag Reagent Not available.
 INNOVANCE® Free PS Ag Buffer Not available.

Section 12. Ecological information

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Sodium azide may react with lead or copper plumbing to form highly explosive metal azides.

Section 14. Transport information

DOT Classification

UN number	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not regulated. Not regulated.
UN proper shipping name	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -
Transport hazard class(es)	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -
Packing group	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -
Environmental hazards	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	No. No.
Additional information	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -

TDG Classification

UN number	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not regulated. Not regulated.
UN proper shipping name	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -
Transport hazard class(es)	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -
Packing group	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -
Environmental hazards	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	No. No.
Additional information	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	- -

ADR/RID

UN number	INNOVANCE® Free PS Ag Reagent INNOVANCE® Free PS Ag Buffer	Not regulated. Not regulated.
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Section 14. Transport information

UN proper shipping name	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-
Transport hazard class(es)	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Packing group	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Environmental hazards	INNOVANCE® Free PS Ag Reagent	No.
	INNOVANCE® Free PS Ag Buffer	No.

Additional information	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

IMDG

UN number	INNOVANCE® Free PS Ag Reagent	Not regulated.
	INNOVANCE® Free PS Ag Buffer	Not regulated.

UN proper shipping name	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Transport hazard class(es)	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Packing group	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Environmental hazards	INNOVANCE® Free PS Ag Reagent	No.
	INNOVANCE® Free PS Ag Buffer	No.

Additional information	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

IATA

UN number	INNOVANCE® Free PS Ag Reagent	Not regulated.
	INNOVANCE® Free PS Ag Buffer	Not regulated.

UN proper shipping name	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Transport hazard class(es)	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Packing group	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Environmental hazards	INNOVANCE® Free PS Ag Reagent	No.
	INNOVANCE® Free PS Ag Buffer	No.

Additional information	INNOVANCE® Free PS Ag Reagent	-
	INNOVANCE® Free PS Ag Buffer	-

Section 14. Transport information

Special precautions for user : INNOVANCE® Free PS Ag Reagent

Transport within user's premises:
always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

INNOVANCE® Free PS Ag Buffer

Transport within user's premises:
always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not applicable.

Section 15. Regulatory information

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 311: disodium hydrogenorthophosphate

Clean Air Act Section 112 : Not listed

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
INNOVANCE® Free PS Ag Reagent sodium azide	0.0875	Yes.	500	-	1000	-
INNOVANCE® Free PS Ag Buffer sodium azide	0.0976	Yes.	500	-	1000	-

SARA 304 RQ : 1084194.5 lbs / 492224.3 kg

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
INNOVANCE® Free PS Ag Reagent sodium azide	≤0.1	ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1
INNOVANCE® Free PS Ag Buffer sodium azide	≤0.1	ACUTE TOXICITY (oral) - Category 2 ACUTE TOXICITY (dermal) - Category 1

State regulations

Section 15. Regulatory information

- Massachusetts** : The following components are listed: SUCROSE DUST
New York : None of the components are listed.
New Jersey : None of the components are listed.
Pennsylvania : The following components are listed: .ALPHA.-D-GLUCOPYRANOSIDE, .BETA.-D-FRUCTOFURANOSYL

California Prop. 65

⚠ WARNING: This product can expose you to Gentamicin, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
INNOVANCE® Free PS Ag Reagent Gentamicin	-	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Section 16. Other information

History

Date of issue/Date of revision : 3/19/2024

Version : 1

Key to abbreviations : ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 UN = United Nations N/A = Not available SGG = Segregation Group

📌 Indicates information that has changed from previously issued version.