SAFETY DATA SHEET

ADVIA® Chemistry Total Magnesium Reagents

SIEMENS

MSDS no. 07508865

Section 1. Identification

GHS product identifier : ADVIA® Chemistry Total Magnesium Reagents

Product code : 07508865; 02271328; B01-4148-01; 10341119; 10309506

Other means of identification : ADVIA® Chemistry Magnesium Buffer B01-4258-01
ADVIA® Chemistry Magnesium Reagent R2 B01-4259-01

Product type : Liquid.

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

Not applicable.

Manufactured/supplied : Siemens Healthcare Diagnostics Inc.
511 Benedict Avenue
Tarrytown, NY 10591-5097 USA
1-877-229-3711

(800) 424-9300 (CHEMTREC) (24/365)

Section 2. Hazards identification

OSHA/HCS status :
ADVIA® Chemistry Magnesium Buffer: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
ADVIA® Chemistry Magnesium Reagent R2: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture :
ADVIA® Chemistry Magnesium Buffer: Not classified.
ADVIA® Chemistry Magnesium Reagent R2: Not classified.

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

GHS label elements

Signal word :
ADVIA® Chemistry Magnesium Buffer: No signal word.
ADVIA® Chemistry Magnesium Reagent R2: No signal word.

Hazard statements :
ADVIA® Chemistry Magnesium Buffer: No known significant effects or critical hazards.
ADVIA® Chemistry Magnesium Reagent R2: No known significant effects or critical hazards.

Precautionary statements

Prevention :
ADVIA® Chemistry Magnesium Buffer: Not applicable.
ADVIA® Chemistry Magnesium Reagent R2: Not applicable.

Response :
ADVIA® Chemistry Magnesium Buffer: Not applicable.
ADVIA® Chemistry Magnesium Reagent R2: Not applicable.

Storage :
ADVIA® Chemistry Magnesium Buffer: Not applicable.
ADVIA® Chemistry Magnesium Reagent R2: Not applicable.

Disposal :
ADVIA® Chemistry Magnesium Buffer: Not applicable.
ADVIA® Chemistry Magnesium Reagent R2: Not applicable.

Supplemental label elements :
ADVIA® Chemistry Magnesium Buffer: None known.
ADVIA® Chemistry Magnesium Reagent R2: None known.

Hazards not otherwise classified :
ADVIA® Chemistry Magnesium Buffer: None known.
ADVIA® Chemistry Magnesium Reagent R2: None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	ADVIA® Chemistry Magnesium Buffer	Mixture
		ADVIA® Chemistry Magnesium Reagent R2	Mixture

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

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	ADVIA® Chemistry Magnesium 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.
		ADVIA® Chemistry Magnesium Reagent R2	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	:	ADVIA® Chemistry Magnesium 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.
		ADVIA® Chemistry Magnesium Reagent R2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	ADVIA® Chemistry Magnesium Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		ADVIA® Chemistry Magnesium Reagent R2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	ADVIA® Chemistry Magnesium Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
		ADVIA® Chemistry Magnesium Reagent R2	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

Eye contact	:	ADVIA® Chemistry Magnesium Buffer	No known significant effects or critical hazards.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.
Inhalation	:	ADVIA® Chemistry Magnesium Buffer	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.
Skin contact	:	ADVIA® Chemistry Magnesium Buffer	No known significant effects or critical hazards.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.
Ingestion	:	ADVIA® Chemistry Magnesium Buffer	No known significant effects or critical hazards.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.
Inhalation	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.
Skin contact	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.
Ingestion	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.

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

Notes to physician	:	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.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam or dry chemical.
Unsuitable extinguishing media	:	None known.
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 nitrogen oxides
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 specialised 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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

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

Section 8. Exposure controls/personal protection

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.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Physical state	ADVIA® Chemistry Magnesium Buffer	Liquid.
	ADVIA® Chemistry Magnesium Reagent R2	Liquid.
Color	ADVIA® Chemistry Magnesium Buffer	Colorless.
	ADVIA® Chemistry Magnesium Reagent R2	Blue.
Odor	ADVIA® Chemistry Magnesium Buffer	Odorless.
	ADVIA® Chemistry Magnesium Reagent R2	Odorless.
pH	ADVIA® Chemistry Magnesium Buffer	11.25
	ADVIA® Chemistry Magnesium Reagent R2	Not applicable.
Flash point	ADVIA® Chemistry Magnesium Buffer	Not available.
	ADVIA® Chemistry Magnesium Reagent R2	Not available.
Flammability (solid, gas)	ADVIA® Chemistry Magnesium Buffer	Not available.
	ADVIA® Chemistry Magnesium Reagent R2	Not available.
Relative density	ADVIA® Chemistry Magnesium Buffer	1
	ADVIA® Chemistry Magnesium Reagent R2	1
Solubility in water	ADVIA® Chemistry Magnesium Buffer	Not available.
	ADVIA® Chemistry Magnesium Reagent R2	Not available.
Partition coefficient: n-octanol/water	ADVIA® Chemistry Magnesium Buffer	Not available.
	ADVIA® Chemistry Magnesium Reagent R2	Not available.
Auto-ignition temperature	ADVIA® Chemistry Magnesium Buffer	Not available.
	ADVIA® Chemistry Magnesium Reagent R2	Not available.
Viscosity	ADVIA® Chemistry Magnesium Buffer	Not available.
	ADVIA® Chemistry Magnesium Reagent R2	Not available.

Section 10. Stability and reactivity

Reactivity	ADVIA® Chemistry Magnesium Buffer	No specific test data related to reactivity available for this product or its ingredients.
	ADVIA® Chemistry Magnesium Reagent R2	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	ADVIA® Chemistry Magnesium Buffer	The product is stable.
	ADVIA® Chemistry Magnesium Reagent R2	The product is stable.

Section 10. Stability and reactivity

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Conclusion/Summary :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Irritation/Corrosion

Not available.

Conclusion/Summary

Skin :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Eyes :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Respiratory :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Sensitization

Not available.

Conclusion/Summary

Skin :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Respiratory :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Mutagenicity

Not available.

Conclusion/Summary :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Carcinogenicity

Not available.

Conclusion/Summary :

ADVIA® Chemistry Magnesium Buffer	Not available.
ADVIA® Chemistry Magnesium Reagent R2	Not available.

Reproductive toxicity

Not available.

Section 11. Toxicological information

Conclusion/Summary	:	ADVIA® Chemistry Magnesium Buffer	Not available.
		ADVIA® Chemistry Magnesium Reagent R2	Not available.

Teratogenicity

Not available.

Conclusion/Summary	:	ADVIA® Chemistry Magnesium Buffer	Not available.
		ADVIA® Chemistry Magnesium Reagent R2	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 : Not available.

Potential acute health effects

Eye contact	:	ADVIA® Chemistry Magnesium Buffer	No known significant effects or critical hazards.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.
Inhalation	:	ADVIA® Chemistry Magnesium Buffer	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.
Skin contact	:	ADVIA® Chemistry Magnesium Buffer	No known significant effects or critical hazards.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.
Ingestion	:	ADVIA® Chemistry Magnesium Buffer	No known significant effects or critical hazards.
		ADVIA® Chemistry Magnesium Reagent R2	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.
Inhalation	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.
Skin contact	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.
Ingestion	:	ADVIA® Chemistry Magnesium Buffer	No specific data.
		ADVIA® Chemistry Magnesium Reagent R2	No specific data.

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

Short term exposure

Potential immediate effects	:	ADVIA® Chemistry Magnesium Buffer	Not available.
		ADVIA® Chemistry Magnesium Reagent R2	Not available.
Potential delayed effects	:	ADVIA® Chemistry Magnesium Buffer	Not available.
		ADVIA® Chemistry Magnesium Reagent R2	Not available.

Long term exposure

Section 11. Toxicological information

Potential immediate effects	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.
Potential delayed effects	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.

Potential chronic health effects

Not available.

Conclusion/Summary	:	Not available. Not available.	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2
General	:	No known significant effects or critical hazards.	
Carcinogenicity	:	No known significant effects or critical hazards.	
Mutagenicity	:	No known significant effects or critical hazards.	
Teratogenicity	:	No known significant effects or critical hazards.	
Developmental effects	:	No known significant effects or critical hazards.	
Fertility effects	:	No known significant effects or critical hazards.	

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Interactive effects	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.
Other information	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.

Section 12. Ecological information

Toxicity

Not available.

Conclusion/Summary	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.

Persistence and degradability

Conclusion/Summary	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC})	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.
Mobility	:	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not available. Not available.

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	ADVIA® Chemistry Magnesium Buffer	Not regulated.
	ADVIA® Chemistry Magnesium Reagent R2	Not regulated.
UN proper shipping name	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Transport hazard class(es)	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Packing group	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Environmental hazards	ADVIA® Chemistry Magnesium Buffer	No.
	ADVIA® Chemistry Magnesium Reagent R2	No.
Additional information	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-

TDG Classification

UN number	ADVIA® Chemistry Magnesium Buffer	Not regulated.
	ADVIA® Chemistry Magnesium Reagent R2	Not regulated.
UN proper shipping name	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Transport hazard class(es)	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Packing group	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Environmental hazards	ADVIA® Chemistry Magnesium Buffer	No.
	ADVIA® Chemistry Magnesium Reagent R2	No.
Additional information	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-

Mexico Classification

UN number	ADVIA® Chemistry Magnesium Buffer	Not regulated.
	ADVIA® Chemistry Magnesium Reagent R2	Not regulated.

Section 14. Transport information

UN proper shipping name	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Transport hazard class(es)	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Packing group	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Environmental hazards	ADVIA® Chemistry Magnesium Buffer	No.
	ADVIA® Chemistry Magnesium Reagent R2	No.
Additional information	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-

ADR/RID

UN number	ADVIA® Chemistry Magnesium Buffer	Not regulated.
	ADVIA® Chemistry Magnesium Reagent R2	Not regulated.
UN proper shipping name	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Transport hazard class(es)	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Packing group	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Environmental hazards	ADVIA® Chemistry Magnesium Buffer	No.
	ADVIA® Chemistry Magnesium Reagent R2	No.
Additional information	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-

IMDG

UN number	ADVIA® Chemistry Magnesium Buffer	Not regulated.
	ADVIA® Chemistry Magnesium Reagent R2	Not regulated.
UN proper shipping name	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Transport hazard class(es)	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Packing group	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Environmental hazards	ADVIA® Chemistry Magnesium Buffer	No.
	ADVIA® Chemistry Magnesium Reagent R2	No.
Additional information	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-

IATA

UN number	ADVIA® Chemistry Magnesium Buffer	Not regulated.
	ADVIA® Chemistry Magnesium Reagent R2	Not regulated.

Section 14. Transport information

UN proper shipping name	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Transport hazard class(es)	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Packing group	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-
Environmental hazards	ADVIA® Chemistry Magnesium Buffer	No.
	ADVIA® Chemistry Magnesium Reagent R2	No.
Additional information	ADVIA® Chemistry Magnesium Buffer	-
	ADVIA® Chemistry Magnesium Reagent R2	-

Special precautions for user :

ADVIA® Chemistry Magnesium 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.

ADVIA® Chemistry Magnesium Reagent R2 — **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 Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

United States inventory (TSCA 8b): Not determined.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

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

Section 15. Regulatory information

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
ADVIA® Chemistry Magnesium Buffer sodium azide	0.09	Yes.	500	-	1000	-
ADVIA® Chemistry Magnesium Reagent R2 sodium azide	0.09	Yes.	500	-	1000	-

SARA 304 RQ : 1111111.1 lbs / 504444.4 kg

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

International regulations

Chemical Weapons Convention List Schedule I Chemicals :	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not listed Not listed
Chemical Weapons Convention List Schedule II Chemicals :	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not listed Not listed
Chemical Weapons Convention List Schedule III Chemicals :	ADVIA® Chemistry Magnesium Buffer ADVIA® Chemistry Magnesium Reagent R2	Not listed Not listed

Section 16. Other information

History

Date of issue/Date of revision : 1/22/2016.

Version : 1.04

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 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

Allergen : **Not available.**