

SAFETY DATA SHEET

ADVIA® 120/2120/2120i CBC TIMEPAC



SDS no.:

T01-3620-52

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : ADVIA® 120/2120/2120i CBC TIMEPAC
Product code : 09826813, T01-3620-52, 10312269

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

Identified uses	ADVIA® DEFOAMER	Diagnostic agents.
	ADVIA® RBC/PLT	Diagnostic agents.
	ADVIA® HGB	Diagnostic agents.
	ADVIA® BASO	Diagnostic agents.

Restrictions on use For professional users only.

Supplier : Siemens Healthcare Diagnostics Limited
Park View,
Watchmoor Park,
Camberley,
Surrey,
GU15 3YL
United Kingdom

Phone: +44 (0) 345 600 1955

e-mail address of person responsible for this SDS : dx.msds.healthcare@siemens-healthineers.com

1.4 Emergency telephone number

CHEMTREC: +44 20 3807 3798

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	ADVIA® DEFOAMER	Mixture
	ADVIA® RBC/PLT	Mixture
	ADVIA® HGB	Mixture
	ADVIA® BASO	Mixture

Classification according to UK CLP/GHS

ADVIA® DEFOAMER

Skin Sens. 1, H317
Aquatic Chronic 3, H412

ADVIA® HGB

Met. Corr. 1, H290
Eye Irrit. 2, H319
Repr. 1B, H360FD
Aquatic Chronic 3, H412

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

SECTION 2: Hazards identification**Hazard pictograms**

:

**Signal word**: ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB
ADVIA® BASO

Warning

No signal word.

Danger

No signal word.

Hazard statements

: ADVIA® DEFOAMER

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

No known significant effects or critical hazards.

H290 - May be corrosive to metals.

H319 - Causes serious eye irritation.

H360FD - May damage fertility. May damage the unborn child.

H412 - Harmful to aquatic life with long lasting effects.

No known significant effects or critical hazards.

ADVIA® RBC/PLT

ADVIA® HGB

ADVIA® BASO

Precautionary statements**Prevention**

: ADVIA® DEFOAMER

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P273 - Avoid release to the environment. Not applicable.

P201 - Obtain special instructions before use.

P234 - Keep only in original container.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P273 - Avoid release to the environment. Not applicable.

ADVIA® RBC/PLT

ADVIA® HGB

ADVIA® BASO

Response

: ADVIA® DEFOAMER

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

Not applicable.

P390 - Absorb spillage to prevent material damage.

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P337 + P313 - If eye irritation persists: Get medical attention.

Not applicable.

Storage: ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB
ADVIA® BASO

Not applicable.

Not applicable.

Not applicable.

Not applicable.

Disposal

: ADVIA® DEFOAMER

P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.

Not applicable.

P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.

ADVIA® RBC/PLT

ADVIA® HGB

ADVIA® BASO

ADVIA® RBC/PLT

ADVIA® HGB

SECTION 2: Hazards identification

Supplemental label elements	ADVIA® BASO	Not applicable.
	: ADVIA® DEFOAMER ADVIA® RBC/PLT	Not applicable. Contains glutaral. May produce an allergic reaction. Safety data sheet available on request.
	ADVIA® HGB ADVIA® BASO	Not applicable. Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. Safety data sheet available on request.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not applicable. Not applicable. Restricted to professional users. Not applicable.
2.3 Other hazards		
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	None known. None known. None known. None known.
Additional information	: Not available. Not available.	

SECTION 3: Composition/information on ingredients

3.1 Substances	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Mixture Mixture Mixture Mixture
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Product/ingredient name	Identifiers	%	Classification	Type
ADVIA® DEFOAMER reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	CAS: 55965-84-9 Index: 613-167-00-5	<0.025	Acute Tox. 3, H301 Acute Tox. 2, H310 Acute Tox. 2, H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071	[1]
ADVIA® HGB				

SECTION 3: Composition/information on ingredients

dodecyldimethylamine oxide	EC: 216-700-6 CAS: 1643-20-5	≤2.9	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 Repr. 1B, H360FD	[1]
disodium tetraborate decahydrate	EC: 215-540-4 CAS: 1303-96-4 Index: 005-011-00-4	≤3		[1] [2]
sodium hydroxide	EC: 215-185-5 CAS: 1310-73-2 Index: 011-002-00-6	<0.5	Skin Corr. 1A, H314 Eye Dam. 1, H318	[1] [2]
salts of hydrogen cyanide	EC: 205-792-3 CAS: 151-50-8 Index: 006-007-00-5	≤0.22	Acute Tox. 1, H300 Acute Tox. 1, H310 Acute Tox. 2, H330 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]
ADVIA® BASO Dodecan-1-ol, ethoxylated	EC: 500-002-6 CAS: 9002-92-0	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.	[1]

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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

SECTION 4: First aid measures**4.1 Description of first aid measures****Eye contact** : ADVIA® DEFOAMER

ADVIA® RBC/PLT

ADVIA® HGB

ADVIA® BASO

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

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.

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

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.

SECTION 4: First aid measures**Inhalation** : ADVIA® DEFOAMER

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

ADVIA® RBC/PLT

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

ADVIA® HGB

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

ADVIA® BASO

Skin contact : ADVIA® DEFOAMER

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

ADVIA® RBC/PLT

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. Wash contaminated skin with soap and water. Remove contaminated clothing

ADVIA® HGB

ADVIA® BASO

SECTION 4: First aid measures

Ingestion

: ADVIA® DEFOAMER

and shoes. Get medical attention if symptoms occur.

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.

ADVIA® RBC/PLT

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.

ADVIA® HGB

ADVIA® BASO

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still

Protection of first-aiders

: ADVIA® DEFOAMER

ADVIA® RBC/PLT

ADVIA® HGB

SECTION 4: First aid measures

ADVIA® BASO

present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed**Over-exposure signs/symptoms**

Eye contact : ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB

No specific data.

No specific data.

Adverse symptoms may include the following:

pain or irritation

watering

redness

No specific data.

Inhalation : ADVIA® BASO
ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB
ADVIA® BASO

No specific data.

No specific data.

No specific data.

No specific data.

Skin contact : ADVIA® DEFOAMER

Adverse symptoms may include the following:

irritation

redness

No specific data.

No specific data.

No specific data.

Ingestion : ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB
ADVIA® BASO

No specific data.

No specific data.

No specific data.

No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : ADVIA® DEFOAMER

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

ADVIA® RBC/PLT

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

ADVIA® HGB

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® BASO

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB
ADVIA® BASO
ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB
ADVIA® BASO

No specific treatment.

No specific treatment.

No specific treatment.

No specific treatment.

Not available.

Not available.

Not available.

Not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : No specific data.

5.3 Advice for firefighters

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

6.1 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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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".

6.2 Environmental precautions

: Avoid dispersal of spilt 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).

6.3 Methods and material 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. Approach the release from upwind. 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. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4 Reference to other sections

: See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- 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.

7.2 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. Store locked up. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
ADVIA® HGB	EH40/2005 WELs (United Kingdom (UK), 1/2020).
disodium tetraborate decahydrate	TWA: 5 mg/m ³ 8 hours.
sodium hydroxide	EH40/2005 WELs (United Kingdom (UK), 1/2020).
	STEL: 2 mg/m ³ 15 minutes.
salts of hydrogen cyanide	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.
	STEL: 5 mg/m ³ , (as CN) 15 minutes.
	TWA: 1 mg/m ³ , (as CN) 8 hours.

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Type	Exposure	Value	Population	Effects
ADVIA® DEFOAMER reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	DNEL	Long term Inhalation	0.02 mg/m ³	General population	Local
	DNEL	Long term Inhalation	0.02 mg/m ³	Workers	Local
	DNEL	Short term Inhalation	0.04 mg/m ³	General population	Local
	DNEL	Short term Inhalation	0.04 mg/m ³	Workers	Local
	DNEL	Long term Oral	0.09 mg/kg bw/day	General population	Systemic
	DNEL	Short term Oral	0.11 mg/kg bw/day	General population	Systemic
ADVIA® HGB dodecyldimethylamine oxide disodium tetraborate decahydrate sodium hydroxide salts of hydrogen cyanide	DNEL	Long term Oral	0.44 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.53 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	5.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	6.2 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Oral	0.79 mg/kg bw/day	General population	Systemic
	DNEL	Long term Oral	0.79 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	3.4 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	6.7 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	17.04 mg/m ³	General population	Local
	DNEL	Long term Inhalation	17.04 mg/m ³	General population	Local
	DNEL	Short term Inhalation	17.04 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	17.04 mg/m ³	Workers	Local
	DNEL	Long term Dermal	159.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	316.4 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1 mg/m ³	General population	Local
	DNEL	Long term Inhalation	1 mg/m ³	Workers	Local
	DNEL	Long term Dermal	0.14 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.94 mg/m ³	Workers	Systemic
	DNEL	Short term Dermal	4.03 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	12.5 mg/m ³	Workers	Systemic

PNECs

SECTION 8: Exposure controls/personal protection

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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. Contaminated work clothing should not be allowed out of the workplace. 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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 : 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.

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.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: ADVIA® DEFOAMER	Liquid.
	ADVIA® RBC/PLT	Liquid.
	ADVIA® HGB	Liquid.
	ADVIA® BASO	Liquid.
Colour	: ADVIA® DEFOAMER	Off-white.
	ADVIA® RBC/PLT	Colourless.
	ADVIA® HGB	Colourless.
	ADVIA® BASO	Colourless.

SECTION 9: Physical and chemical properties

Odour	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Odourless. Odourless. Odourless. Odourless.
Odour threshold	: Not relevant/applicable due to nature of the product.	
Melting point/freezing point	: Not relevant/applicable due to nature of the product.	
Softening point	: Not relevant/applicable due to nature of the product.	
Sublimation temperature	: Not relevant/applicable due to nature of the product.	
Initial boiling point and boiling range	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
Flammability (solid, gas)	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product. Not relevant/applicable due to nature of the product.
Upper/lower flammability or explosive limits	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
Flash point	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	[Product does not sustain combustion.] [Product does not sustain combustion.] [Product does not sustain combustion.] [Product does not sustain combustion.]

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
ADVIA® DEFOAMER Poly(oxy-1,2-ethanediyl), α-(1-oxooctadecyl)-ω-hydroxy-	>149	>300.2				
ADVIA® HGB dodecyl dimethylamine oxide	261	501.8				
ADVIA® BASO Dodecan-1-ol, ethoxylated	>109.85	>229.7				

Auto-ignition temperature :

Ingredient name	°C	°F	Method
ADVIA® RBC/PLT tetrasodium ethylene diamine tetraacetate	>200	>392	

Decomposition temperature : Not relevant/applicable due to nature of the product.

pH	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	5 to 8 7.4 11 1.8 [Conc. (% w/w): 0.033%]
Viscosity	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.

Solubility(ies) :

Not available.

SECTION 9: Physical and chemical properties**Solubility in water** : Not relevant/applicable due to nature of the product.**Miscible with water** : Not relevant/applicable due to nature of the product.**Partition coefficient: n-octanol/ water** : Not relevant/applicable due to nature of the product.**Vapour pressure** :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
ADVIA® DEFOAMER water	23.8	3.2				
ADVIA® RBC/PLT water	23.8	3.2				
ADVIA® HGB water	23.8	3.2				
ADVIA® BASO water	23.8	3.2				

Evaporation rate : Not relevant/applicable due to nature of the product.

Relative density :

ADVIA® DEFOAMER	1
ADVIA® RBC/PLT	1
ADVIA® HGB	1
ADVIA® BASO	1

Density :

ADVIA® DEFOAMER	Not available.
ADVIA® RBC/PLT	Not available.
ADVIA® HGB	Not available.
ADVIA® BASO	Not available.

Vapour density :

ADVIA® DEFOAMER	Not available.
ADVIA® RBC/PLT	Not available.
ADVIA® HGB	Not available.
ADVIA® BASO	Not available.

Explosive properties :

ADVIA® DEFOAMER	Not available.
ADVIA® RBC/PLT	Not available.
ADVIA® HGB	Not available.
ADVIA® BASO	Not available.

Oxidising properties :

ADVIA® DEFOAMER	Not available.
ADVIA® RBC/PLT	Not available.
ADVIA® HGB	Not available.
ADVIA® BASO	Not available.

Particle characteristics**Median particle size** : Not applicable.**9.2 Other information**

Fire point :

ADVIA® DEFOAMER	Not available.
ADVIA® RBC/PLT	Not available.
ADVIA® HGB	Not available.
ADVIA® BASO	Not available.

Burning time : Not relevant/applicable due to nature of the product.**Fundamental burning velocity** : Not relevant/applicable due to nature of the product.**Burning rate** : Not relevant/applicable due to nature of the product.**SADT** : Not relevant/applicable due to nature of the product.**SAPT** : Not relevant/applicable due to nature of the product.**Heat of reaction** : Not relevant/applicable due to nature of the product.

SECTION 9: Physical and chemical properties

Heat of combustion	: Not relevant/applicable due to nature of the product.
Flow time (ISO 2431)	: Not relevant/applicable due to nature of the product.
Molecular weight	: Not relevant/applicable due to nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: No specific data.
10.6 Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
ADVIA® DEFOAMER reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LD50 Oral	Rat	53 mg/kg	-
ADVIA® HGB disodium tetraborate decahydrate	LD50 Oral	Rat	2660 mg/kg	-
salts of hydrogen cyanide	LD50 Oral	Rat	5 mg/kg	-

Conclusion/Summary	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
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Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
ADVIA® DEFOAMER reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	53	50	N/A	0.5	N/A
ADVIA® RBC/PLT ADVIA® RBC/PLT	121825	N/A	N/A	436.4	N/A
ADVIA® HGB ADVIA® HGB dodecyldimethylamine oxide	2941.2 500	3333.3 N/A	N/A N/A	N/A N/A	33.3 N/A

SECTION 11: Toxicological information

disodium tetraborate decahydrate	2660	N/A	N/A	N/A	N/A
salts of hydrogen cyanide	5	5	N/A	N/A	0.05

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ADVIA® DEFOAMER reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Skin - Severe irritant	Human	-	0.01 %	-
ADVIA® HGB dodecyldimethylamine oxide	Eyes - Severe irritant	Rabbit	-	1 %	-
	Skin - Mild irritant	Human	-	48 hours 3.7 %	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 mg	-
sodium hydroxide	Eyes - Mild irritant	Rabbit	-	400 ug	-
	Eyes - Severe irritant	Monkey	-	24 hours 1 %	-
	Eyes - Severe irritant	Rabbit	-	1 %	-
	Eyes - Severe irritant	Rabbit	-	0.5 minutes 1 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 50 ug	-
	Skin - Mild irritant	Human	-	24 hours 2 %	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 mg	-
ADVIA® BASO Dodecan-1-ol, ethoxylated	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Human	-	72 hours 6 milligrams	-
	Skin - Moderate irritant	Rabbit	-	Intermittent 24 hours 500 milligrams	-

Conclusion/Summary

Skin	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.
Eyes	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.
Respiratory	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

Sensitisation**Conclusion/Summary**

Skin	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

SECTION 11: Toxicological information

Respiratory	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
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Mutagenicity

Conclusion/Summary	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
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Carcinogenicity

Conclusion/Summary	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
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Reproductive toxicity

Conclusion/Summary	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
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Teratogenicity

Conclusion/Summary	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
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Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not available. Not available. Not available. Not available.
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Potential acute health effects

Eye contact	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	No known significant effects or critical hazards. No known significant effects or critical hazards. Causes serious eye irritation. No known significant effects or critical hazards.
Inhalation	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

SECTION 11: Toxicological information

Skin contact	: ADVIA® DEFOAMER	May cause an allergic skin reaction.
	ADVIA® RBC/PLT	No known significant effects or critical hazards.
	ADVIA® HGB	No known significant effects or critical hazards.
	ADVIA® BASO	No known significant effects or critical hazards.
Ingestion	: ADVIA® DEFOAMER	No known significant effects or critical hazards.
	ADVIA® RBC/PLT	No known significant effects or critical hazards.
	ADVIA® HGB	No known significant effects or critical hazards.
	ADVIA® BASO	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: ADVIA® DEFOAMER	No specific data.
	ADVIA® RBC/PLT	No specific data.
	ADVIA® HGB	Adverse symptoms may include the following: pain or irritation watering redness
	ADVIA® BASO	No specific data.
Inhalation	: ADVIA® DEFOAMER	No specific data.
	ADVIA® RBC/PLT	No specific data.
	ADVIA® HGB	No specific data.
	ADVIA® BASO	No specific data.
Skin contact	: ADVIA® DEFOAMER	Adverse symptoms may include the following: irritation redness
	ADVIA® RBC/PLT	No specific data.
	ADVIA® HGB	No specific data.
	ADVIA® BASO	No specific data.
Ingestion	: ADVIA® DEFOAMER	No specific data.
	ADVIA® RBC/PLT	No specific data.
	ADVIA® HGB	No specific data.
	ADVIA® BASO	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Short term exposure**

Potential immediate effects	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.
Potential delayed effects	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

Long term exposure

Potential immediate effects	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.
Potential delayed effects	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

SECTION 11: Toxicological information**Potential chronic health effects**

Not available.

Conclusion/Summary : ADVIA® DEFOAMER
 ADVIA® RBC/PLT
 ADVIA® HGB
 ADVIA® BASO

Not available.
 Not available.
 Not available.
 Not available.

General : ADVIA® DEFOAMER

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

ADVIA® RBC/PLT

No known significant effects or critical hazards.

ADVIA® HGB

No known significant effects or critical hazards.

ADVIA® BASO

No known significant effects or critical hazards.

Carcinogenicity : ADVIA® DEFOAMER

No known significant effects or critical hazards.

ADVIA® RBC/PLT

No known significant effects or critical hazards.

ADVIA® HGB

No known significant effects or critical hazards.

ADVIA® BASO

No known significant effects or critical hazards.

Mutagenicity : ADVIA® DEFOAMER

No known significant effects or critical hazards.

ADVIA® RBC/PLT

No known significant effects or critical hazards.

ADVIA® HGB

No known significant effects or critical hazards.

ADVIA® BASO

No known significant effects or critical hazards.

Reproductive toxicity : ADVIA® DEFOAMER

No known significant effects or critical hazards.

ADVIA® RBC/PLT

No known significant effects or critical hazards.

ADVIA® HGB

May damage fertility. May damage the unborn child.

ADVIA® BASO

No known significant effects or critical hazards.

Interactive effects : ADVIA® DEFOAMER
 ADVIA® RBC/PLT
 ADVIA® HGB
 ADVIA® BASO

Not available.
 Not available.
 Not available.
 Not available.

Toxicokinetics

Absorption : ADVIA® DEFOAMER
 ADVIA® RBC/PLT
 ADVIA® HGB
 ADVIA® BASO

Not available.
 Not available.
 Not available.
 Not available.

Distribution : ADVIA® DEFOAMER
 ADVIA® RBC/PLT
 ADVIA® HGB
 ADVIA® BASO

Not available.
 Not available.
 Not available.
 Not available.

Metabolism : ADVIA® DEFOAMER
 ADVIA® RBC/PLT
 ADVIA® HGB
 ADVIA® BASO

Not available.
 Not available.
 Not available.
 Not available.

Elimination : ADVIA® DEFOAMER
 ADVIA® RBC/PLT
 ADVIA® HGB
 ADVIA® BASO

Not available.
 Not available.
 Not available.
 Not available.

SECTION 11: Toxicological information

Other information	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

SECTION 12: Ecological information**12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
ADVIA® HGB disodium tetraborate decahydrate sodium hydroxide salts of hydrogen cyanide	Acute EC50 1645 mg/l Fresh water	Crustaceans - Ostracod - Cypris subglobosa	48 hours
	Acute EC50 40.38 mg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 125 ppm Fresh water	Fish - Western mosquitofish - Gambusia affinis - Adult	96 hours
	Acute EC50 0.331 mg/l Fresh water	Algae - Green algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours
	Acute LC50 64.4 µg/l Marine water	Crustaceans - Rock crab - Cancer irroratus - Zoea	48 hours
	Acute LC50 1 µg/l Fresh water	Daphnia - Water flea - Daphnia pulex	48 hours
	Acute LC50 0.03 mg/l Marine water	Fish - Cobia - Rachycentron canadum - Young	96 hours
	Chronic EC10 0.158 mg/l Fresh water	Algae - Green algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours
	Chronic NOEC 0.05 mg/l Fresh water	Fish - Zambezi barbel - Clarias gariepinus - Adult	4 weeks

Conclusion/Summary	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

12.2 Persistence and degradability

Conclusion/Summary	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc})	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.
Mobility	: ADVIA® DEFOAMER	Not available.
	ADVIA® RBC/PLT	Not available.
	ADVIA® HGB	Not available.
	ADVIA® BASO	Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 12: Ecological information**12.6 Other adverse effects** : No known significant effects or critical hazards.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Methods of disposal : The generation of waste should be avoided or minimised 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.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information**ADR/RID**

14.1 UN number	ADVIA® DEFOAMER	Not regulated.
	ADVIA® RBC/PLT	Not regulated.
	ADVIA® HGB	UN1824
	ADVIA® BASO	Not regulated.
14.2 UN proper shipping name	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	Sodium hydroxide solution
	ADVIA® BASO	-
14.3 Transport hazard class(es)	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	8
	ADVIA® BASO	-
14.4 Packing group	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	III
	ADVIA® BASO	-
14.5 Environmental hazards	ADVIA® DEFOAMER	No.
	ADVIA® RBC/PLT	No.
	ADVIA® HGB	No.
	ADVIA® BASO	No.
Additional information	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	-
	ADVIA® BASO	-

ADN

14.1 UN number	ADVIA® DEFOAMER	Not regulated.
	ADVIA® RBC/PLT	Not regulated.
	ADVIA® HGB	UN1824
	ADVIA® BASO	Not regulated.

SECTION 14: Transport information

14.2 UN proper shipping name	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	Sodium hydroxide solution
	ADVIA® BASO	-

14.3 Transport hazard class(es)	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	8
	ADVIA® BASO	-

14.4 Packing group	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	III
	ADVIA® BASO	-

14.5 Environmental hazards	ADVIA® DEFOAMER	No.
	ADVIA® RBC/PLT	No.
	ADVIA® HGB	No.
	ADVIA® BASO	No.

Additional information	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	-
	ADVIA® BASO	-

IMDG

14.1 UN number	ADVIA® DEFOAMER	Not regulated.
	ADVIA® RBC/PLT	Not regulated.
	ADVIA® HGB	UN1824
	ADVIA® BASO	Not regulated.

14.2 UN proper shipping name	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	SODIUM HYDROXIDE, SOLUTION
	ADVIA® BASO	-

14.3 Transport hazard class(es)	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	8
	ADVIA® BASO	-

14.4 Packing group	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	III
	ADVIA® BASO	-

14.5 Environmental hazards	ADVIA® DEFOAMER	No.
	ADVIA® RBC/PLT	No.
	ADVIA® HGB	No.
	ADVIA® BASO	No.

Additional information	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	-
	ADVIA® BASO	-

IATA

14.1 UN number	ADVIA® DEFOAMER	Not regulated.
	ADVIA® RBC/PLT	Not regulated.
	ADVIA® HGB	UN1824
	ADVIA® BASO	Not regulated.

SECTION 14: Transport information

14.2 UN proper shipping name	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	SODIUM HYDROXIDE, SOLUTION
	ADVIA® BASO	-
14.3 Transport hazard class(es)	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	8
	ADVIA® BASO	-
14.4 Packing group	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	III
	ADVIA® BASO	-
14.5 Environmental hazards	ADVIA® DEFOAMER	No.
	ADVIA® RBC/PLT	No.
	ADVIA® HGB	No.
	ADVIA® BASO	No.
Additional information	ADVIA® DEFOAMER	-
	ADVIA® RBC/PLT	-
	ADVIA® HGB	-
	ADVIA® BASO	-

14.6 Special precautions for user : ADVIA® DEFOAMER

ADVIA® RBC/PLT

ADVIA® HGB

ADVIA® BASO

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 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 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 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.

14.7 Transport in bulk according to IMO instruments Not applicable.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK (GB) /REACH****Annex XIV - List of substances subject to authorisation****Annex XIV**

None of the components are listed.

Substances of very high concern

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
ADVIA® HGB Toxic to reproduction	disodium tetraborate, anhydrous	Candidate	-	6/18/2010

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

: ADVIA® DEFOAMER
ADVIA® RBC/PLT
ADVIA® HGB
ADVIA® BASO

Not applicable.
Not applicable.
Restricted to professional users.
Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

EU regulations

Industrial emissions (integrated pollution prevention and control) - Air	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not listed Not listed Not listed Not listed
Industrial emissions (integrated pollution prevention and control) - Water	: ADVIA® DEFOAMER ADVIA® RBC/PLT ADVIA® HGB ADVIA® BASO	Not listed Not listed Not listed Not listed

International regulations**Montreal Protocol**

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical safety assessment : Not applicable.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
 GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EUH statement = GB CLP-specific Hazard statement
 N/A = Not available
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number
 SGG = Segregation Group
 vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
ADVIA® DEFOAMER Skin Sens. 1, H317 Aquatic Chronic 3, H412	Calculation method Calculation method
ADVIA® HGB Met. Corr. 1, H290 Eye Irrit. 2, H319 Repr. 1B, H360FD Aquatic Chronic 3, H412	On basis of test data Calculation method Calculation method Calculation method

Full text of abbreviated H statements

ADVIA® DEFOAMER	
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
ADVIA® HGB	
H290	May be corrosive to metals.
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H360FD	May damage fertility. May damage the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH032	Contact with acids liberates very toxic gas.
ADVIA® BASO	

ADVIA® 120/2120/2120i CBC TIMEPAC

SECTION 16: Other information

H315	Causes skin irritation.
H319	Causes serious eye irritation.

Full text of classifications**ADVIA® DEFOAMER**

Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 3	ACUTE TOXICITY - Category 3
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A

ADVIA® HGB

Acute Tox. 1	ACUTE TOXICITY - Category 1
Acute Tox. 2	ACUTE TOXICITY - Category 2
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Met. Corr. 1	CORROSIVE TO METALS - Category 1
Repr. 1B	REPRODUCTIVE TOXICITY - Category 1B
Skin Corr. 1	SKIN CORROSION/IRRITATION - Category 1
Skin Corr. 1A	SKIN CORROSION/IRRITATION - Category 1A
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2

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Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2

Date of printing	: 12/13/2022
Date of issue/ Date of revision	: 12/13/2022
Date of previous issue	: No previous validation
Version	: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

