

Safety Data Sheet in Accordance with regulation 2015/830		Page 1 of 5																								
Date of issue: 11.10.2016 Replaces Data Sheet of: — *** alterations as compared to previous version; n.ap. = not applicable; n.av. = not available																										
SECTION 1: Identification of the substance/mixture and of the company/undertaking																										
1.1	Product identifier Trade Name: Wash Buffer R2 Article No.: 0093120000 Preparation No.: n.av. Registration No.: n.ap.																									
1.2	Relevant identified uses of the substance or mixture and uses advised against Identified uses: Analytics, Diagnostics																									
1.3	Details of the supplier of the safety data sheet Address of the Company / Supplier: Vision Biotechnology, Inc. Atakent Mahallesi Göktürk St. No 28/A İstanbul Turkey Telephone: 5.1.2e E-Mail: s.1.5@visionbiotechnology.com																									
1.3.2	Responsible for the data sheet: Vision Biotechnology, Inc. Atakent Mahallesi Göktürk St. No 28/A İstanbul Turkey																									
1.4	Emergency telephone number Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning Telephone: 5.1.2e Telephone: 5.1.2e																									
SECTION 2: Hazards identification																										
2.1	Classification of the substance or mixture Classification and labelling according to Directive 1272/2008/EC: n.ap.																									
2.2	Label elements Classification according to 1272/2008/EC: No. Applicable Exemptions: No. Signal word(s): n.ap. Hazard pictogram(s): Component(s): Na-Acetate H - Phrases: n.ap. P - Phrases: n.ap. Additional Markings: None. The above mentioned labelling is valid for distribution to industrial user.																									
2.3	Other hazards This mixture contains no substances which are assessed to be PBT or vPvB.																									
SECTION 3: Composition/information on ingredients																										
3.1	Substances n.ap.																									
3.2	Mixtures Chemical Characterisation: This product does not contain any substances which are classified as dangerous or the concentration lies below the limit laid down by the law. Dangerous Ingredients: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;">Material</th> <th style="width: 25%;">CAS - No.</th> <th style="width: 25%;">Index - No.</th> <th style="width: 25%;">EC - No.</th> <th style="width: 25%;">REACH - No.</th> <th style="width: 10%;">m% - range</th> </tr> </thead> <tbody> <tr> <td colspan="5">Hazard Code(s) / H - phrases</td> <td></td> </tr> <tr> <td colspan="5"> </td> <td></td> </tr> <tr> <td colspan="5">Text of H - phrases: see section 16</td> <td></td> </tr> </tbody> </table> m% - range: x - y $\triangleq$ x $\geq$ - < y		Material	CAS - No.	Index - No.	EC - No.	REACH - No.	m% - range	Hazard Code(s) / H - phrases												Text of H - phrases: see section 16					
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Safety Data Sheet in Accordance with regulation 2015/830

Page 2 of 5

Trade Name: Wash Buffer R2

Vision Biotechnology, Inc. Atakent Mahallesi Göktürk St. No 28/A İstanbul Turkey Molecular

Department : 5.1.2e 5.1.5@visionbiotechnology.com

SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of vapours or decomposition products. If symptoms persist, call a physician.

4.1.2 Skin Contact:

Wash off immediately with plenty of water. In the case of skin irritation or allergic reactions see a physician.

4.1.3 Eye Contact:

Rinse immediately with plenty of water, also under the eyelids. Consult a physician.

4.1.4 Ingestion:

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

n.av.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam..**5.1.2 Extinguishing Media to Avoid:**

None.

5.2 Special hazards arising from the substance or mixtureIn the event of fire the following can be released: Carbon oxides, nitrogen oxides (NO_x), Sulphur oxides.**5.3 Advice for firefighters****5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

6.2 Environmental precautions

Do not contaminate water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

None.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****7.1.1 Precautions for Safe Handling:**

When using, do not eat, drink or smoke. Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

7.1.2 Precautions in Case of Fire and Explosion:

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities**7.2.1 Storage Instructions:**

Keep at temperature not exceeding 30°C.

7.2.2 Store away from:

Incompatible with oxidizing agents.

7.2.3 Further Information on Storage Conditions:

None.

7.3 Specific end use(s)

n.av.

Safety Data Sheet in Accordance with regulation 2015/830

Page 3 of 5

Trade Name: Wash Buffer R2

Vision Biotechnology, Inc. Atakent Mahallesi Göktürk St. No 28/A İstanbul Turkey Molecular
 Department 5.1.2e 5.1.5@visionbiotechnology.com

SECTION 8: Exposure controls/personal protection

8.1	Control parameters	
	Material	Limit Value
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	
	Keep container tightly closed in a dry and well-ventilated place. Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice.	
8.2.2	Individual protection measures	
8.2.2a	Respiratory Protection:	In case of insufficient ventilation wear suitable respiratory equipment.
8.2.2b	Hand Protection:	solvent-resistant gloves (butyl-rubber Break through time> 6 h) Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
8.2.2c	Eye Protection:	safety glasses with side-shields conforming to EN166.
8.2.2d	Skin Protection:	protective suit
8.2.2 e	Further Information:	Observe wearing time limits:
8.2.3	Environmental exposure controls:	n.av.

SECTION 9: Physical and chemical properties

9.1	Information on basic physical and chemical properties		
9.1.1	Form: liquid	Colour: colourless	Odour: odourless
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	n.av.	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	n.av.,	Melting point / Melting range (°C): n.av.
9.1.4	Flash point (°C):	n.av.,	closed cup
9.1.5	Flammability (EEC A10/A13):	n.ap.	
9.1.6	Ignition temperature (°C):	n.ap.	
9.1.7	Autoflammability (EEC A16):	n.av.	
9.1.8	Oxidising properties:	None.	
9.1.9	Explosion hazard:	None.	
9.1.10	Explosion limits (Vol.%) lower:	None.,	upper: None.
9.1.11	Vapour pressure:	n.av.	
	Vapour density (Air = 1):	n.ap.	
9.1.12	Density (g/ml):	n.av.	
9.1.13	Solubility (in Water):	miscible	Soluble in:
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	n.av.	
9.1.16	Solvent content (m %):	n.ap.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity	None.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4	Conditions to avoid	Keep away from heat.
10.5	Incompatible materials	Incompatible with oxidizing agents.
10.6	Hazardous decomposition products	No decomposition if used as directed. To avoid thermal decomposition, do not overheat.

Safety Data Sheet in Accordance with regulation 2015/830		Page 4 of 5
Trade Name: Wash Buffer R2 Vision Biotechnology, Inc. Atakent Mahallesi Göktürk St. No 28/A İstanbul Turkey Molecular Department 5.1.2e 5.1.5 @visionbiotechnology.com		
SECTION 11: Toxicological information		
11.1	Information on toxicological effects Acute Health Effects: Inhalation: n.av. Ingestion: n.av. Skin Contact: n.av. Skin corrosion / irritation: n.av. Serious eye damage / irritation: n.av. Respiratory or skin sensitisation: n.av. Germ cell mutagenicity: n.av. Carcinogenicity: n.av. Reproductive toxicity: n.av. STOT-single exposure: n.av. STOT-repeated exposure: n.av. Aspiration hazard: n.av.	
11.1.1	– Practical Experience 11.1.11 n.av. 11.1.12 Practical Experience Observations relevant for classification: None. Further Observations: None. Classification of the preparation has been done by calculation in accordance with EEC directives.	
SECTION 12: Ecological information		
12.1	Toxicity This product has no known eco-toxicological effects.	
12.2	Persistence and degradability Not readily biodegradable.	
12.3	Bioaccumulative potential n.av.	
12.4	Mobility in soil n.av.	
12.5	Results of PBT and vPvB assessment This mixture contains no substances which are assessed to be PBT or vPvB.	
12.6	Other adverse effects 12.6.1 COD-Value, mg/g: n.av. 12.6.2 BOD5-Value, mg/g: n.av. 12.6.3 AOX-Remarks: n.av. 12.6.4 Significant Components: None. 12.6.5 Other adverse effects: None.	
SECTION 13: Disposal considerations		
13.1	Waste treatment methods 13.1.1 Recommendation: R 2 / D 10 Waste - Code - No.: 07 07 99 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. In addition comply with the regional authorities.	
13.2	Contaminated Packaging 13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Offer rinsed packaging material to local recycling facilities. 13.2.2 Safe Handling: As described under Residues. Handle in accordance with good industrial hygiene and safety practice.	

Safety Data Sheet in Accordance with regulation 2015/830

Page 5 of 5

Trade Name: Wash Buffer R2

Vision Biotechnology, Inc. Atakent Mahallesi Göktürk St. No 28/A İstanbul Turkey Molecular
 Department 5.1.2e 5.1.5 @visionbiotechnology.com

SECTION 14: Transport information

	ADR	IMDG	IATA
	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.	Not classified as dangerous in the meaning of transport regulations.
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.61	Special precautions for user		
4	Transport category:		Packing Instructions (Passenger)
.	Classification Code:		
6	Hazard - No.:		Packing Instructions (Cargo)
	LQ:		
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information

151	Safety, health and environmental regulations/legislation specific for the substance or mixture
	n.av.
152	Chemical safety assessment :
	n.ap.

SECTION 16: Other information**Text of H phases mentioned in Section 3**

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.