



Safety Data Sheet (SDS)

PROPRIETARY & CONFIDENTIAL (ALL GRADES & SIZES)

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Date of issue 12/01/2023 Revision date: 12/01/2023 version 1.0

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers Identification of the Substance or Preparation:	VaporPad™ Ultra BLUE		
Chemical or Generic Name:	All grades and size		
REACH Registration Number(s):			
1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:	Formalin and Aldehyde Neutralizer		
1.3 Company/Undertaking Identification:	Manufacturer/Supplier:	Cancer Diagnostics, Inc.	
	Address:	116 Page Point Circle Durham, NC 27703	
	Corporate Telephone:	(877) 846-5393	
	Corporate Fax:	(877) 817-1716	
	Website:	www.cancerdiagnostics.com	
	Email:	compliance@cancerdiagnostics.com	
1.4 Emergency Telephone Number(s):	(24 hours / 7 days a week) Telephone: CHEMTREC: (800) 424-9300 (USA) INFOTRAC: (352) 323-3500 (International)		

SECTION 2. HAZARD(S) IDENTIFICATION

2.1 GHS Classification:			
2.2 GHS Label Elements:			
Pictogram(s):			
Signal Word:			
Hazard Statement(s) (H-Statements):			
Precautionary Statement(s) (P-Statements):			
2.3 Hazard Not Otherwise Classified (HNOC) or Not Covered by GHS:	None		
2.4 Additional Information:			
HMIS and NFPA Hazard Ratings	Category	HMIS	NFPA
	Health	0	0
	Flammability	0	0
	Physical Hazard (Reactivity)	0	0
NFPA Unusual Hazards:	None		



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HMIS Personal Protection:	To be supplied by user depending upon use.
POTENTIAL ACUTE HEALTH EFFECTS: MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not Determined. CHRONIC CONDITIONS: Not Determined.	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:
 Information on Hazardous Ingredients Above Regulatory Thresholds:

CAS No.	Product Identifier	%	Hazards
13547-17-6	Urea, N,N-methylenebis	0.5-1.5	N/A

Specific chemical identity will be made available to health professionals, employees, and designated representatives in accordance with applicable provisions of the Hazard Communication Standard (29 CFR 1910.1200(i))

** The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200*

Component Information/Information on Non-Hazardous Components:	The components of this mixture do not contain any hazardous ingredients above their reportable threshold limits as defined under European Directives.
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SECTION 4. FIRST-AID MEASURES

4.1 Description of First-Aid Measures:

<i>After Inhalation:</i>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<i>After Skin Contact:</i>	If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.
<i>After Eye Contact:</i>	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
<i>After Ingestion:</i>	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell
4.2 Most Important Symptoms and Effects, Both Acute and Delayed:	None
Symptoms/injuries after inhalation	May cause respiratory tract irritation
Symptoms/injuries after skin contact	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin

Symptoms/injuries after eye contact	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:	Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible)

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

SUITABLE EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
 UN-SUITABLE EXTINGUISHING MEDIA: None

5.2 Special Hazards Arising from the Substances or Mixtures:

Products of combustion may include, and are not limited to: oxides of carbon, oxides of nitrogen.

5.3 Advice for Firefighters:

Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

5.4 Further Information:

No data available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Description of First-Aid Measures:

Ensure adequate ventilation. See Section 8 for further information.

6.2 Environmental Precautions:

Keep public away. Isolate and evacuate area. Shut off source if safe to do so. Release of this product to the land, water, and air may require reporting to governmental agencies, like the National Response Center (+01-800-424-8802). Dispose of waste recovered in accordance with applicable regulations (See Section 13).

6.3 Methods and Materials for Containment and Cleaning Up:

Land: Do not flush into sewers. Scoop up material and place in a disposal container.
 Dispose of as laws and regulations allow.
 Water: Prevent material going into sewers, drains, streams, and other bodies of water.
 Air: This material will not become airborne, provide ventilation.

6.4 Reference to Other Sections:

For disposal see Section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:

Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Fire Prevention: Normal measures should be used for prevention of fire.

Prohibited equipment and procedures: None.
7.2 Conditions for Safe Storage, Including Any Incompatibilities: Keep out of the reach of children. Keep container tightly closed.
7.3 Specific Use(s): Non-Available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Use personal protection equipment as listed below.	
COMPONENT EXPOSURE LIMITS:	
Urea, N,N-methylenebis- (13547-17-6)	
ACGIH	Not Applicable
OSHA	Not Applicable
8.2 Exposure Controls:	
Appropriate Engineering Controls:	
• Ventilation:	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
• Eye Protection	None necessary under normal conditions of use
• Hand Protection:	None necessary under normal conditions of use. Wear gloves if handling large quantities
• Skin and body protection:	None necessary under normal conditions of use.
• Respiratory protection:	None necessary under normal conditions of use.
• Environmental exposure controls	Maintain levels below Community environmental protection thresholds.
• Other Information	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

1) Appearance – Physical State:	Liquid
2) Appearance – Color:	Clear
3) Odor:	Odorless
4) Odor Threshold:	No Data Available
5) pH:	3.0 – 4.2

6) Melting Point/Freezing Point:	No Data Available
7) Initial Boiling Point/Boiling Range:	No Data Available
8) Flash Point:	No Data Available
9) Freezing Point:	< 8 °F
10) Flammability (Solid, Gas)	None flammable
11) Boiling Point:	< 200 °F
12) Vapor Pressure (mmHg @ 20°C):	No Data Available
13) Vapor Density (Air = 1):	1.112
14) Density/Specific Gravity:	1.0 – 1.1
15) Water Solubility:	No Data Available
16) Solvent Content – Organic Solvents:	No Data Available
17) Solvent Content – VOC (EC):	No Data Available
18) Self-Igniting:	No
19) Danger of Explosion:	No

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:	No risk of reaction with other substances.
10.2 Chemical Stability:	Stable
10.3 Possibility of Hazardous Reactions:	POLYMERIZATION POTENTIAL: Will not occur.
10.4 Conditions to Avoid:	Keep away from fires and open flames. Excessive temperatures, moist/humid conditions, contamination.
10.5 Incompatible Materials:	Bases. Caustics. Alkalis. Strong oxidizers. Nitrites. Peroxides.
10.6 Decomposition Products:	May include, and are not limited to: oxides of carbon, oxides of nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not classified
Formalex Green	
LD 50 oral rat	> 2000 mg/kg
LD 50 oral rabbit	> 2000 mg/kg
LC 50 inhalation rat	> 20 mg/l/4h

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	
Ecology – general:	May cause long-term adverse effects in the aquatic environment.
12.2 Persistence and degradability	
Persistence and degradability	Not established
12.3 Bioaccumulative potential	
Bioaccumulative potential	Not established
12.4 Mobility in soil	
No additional information available	
12.5 Other adverse effects	
Effect on the global warming	No known ecological damage caused by this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Under RCRA it is the responsibility of the user of a product to determine at the time of disposal whether the product meets any of the criteria of a hazardous waste.

Disposal Instructions:

Follow Local, State, Federal, Provincial and International environmental regulations when disposing of waste materials. Cleaned packaging may be recycled. Do not pour material down sewers or drains.

Contaminated packaging: Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	U.S. DOT Classification	Land Transport (ADR/RID)	Inland Waterway Transport (AND)	Sea Transport (IMDG)
14.1 UN Number:	n/a	n/a	n/a	n/a
14.2 UN Proper Shipping Name:	n/a	n/a	n/a	n/a
14.3 Transport Hazard Class(es)	n/a	n/a	n/a	n/a
14.4 Hazard Label(s)	n/a	n/a	n/a	n/a
14.5 Packing Group:	n/a	n/a	n/a	n/a
14.6 Environmental Hazards:	n/a	n/a	n/a	n/a
14.7 Additional Information:	Not Regulated	Not Regulated	Not Regulated	Not Regulated



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RQ (Reportable Quantity) = N/A

SECTION 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006, US. OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI Z400.1-2004.

US FEDERAL REGULATIONS:

All components are listed or exempt from TSCA.

Urea, N,N-methylenebis	CAS No 13547-17-6
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This product does not fall subject to the requirements of section 313.

This material contains no chemicals that are identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4) in any regulated quantities.

The following is provided to aide in the preparation of SARA Section 311 and 312 reports.

SARA 311/312	Fan Pads
Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

U.S. STATE REGULATIONS:

Idaho Air Pollutant List	Not listed
California Hazardous Substance List	Not listed
California Proposition 65	Not listed
New Jersey Right-to-Know	Not Listed
Pennsylvania Right-to-Know	Not Listed
Massachusetts Right-to-Know	Not Listed
Rhode Island Right-to-Know	Not Listed
West Virginia Substance List	Not Listed
Michigan critical materials register list	Not Listed
Massachusetts Extraordinarily Hazardous Substances	Not Listed

CANADIAN REGULATIONS:

All components are listed or are exempted from DSL/NDSL.

EUROPEAN REGULATIONS:

All components are listed or exempt from EINECS.



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The product does not contain any SVHC's at a level greater than 0.1%/weight. This complies with EU Regulation EC1907/2006; Registration, Evaluation, Authorization and restriction of Chemicals (REACH) Substances of Very High Concern (SVHC) published Candidate list.

The product conforms to the EU directive 2011/65/EU for the "Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment" aka RoHS.

OTHER REGULATIONS:

No additional information available.

SECTION 16. OTHER INFORMATION

We granted a license to make unlimited paper copies for internal purposes only.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

References: U.S. EPA, OSHA, CDC-NIOSH, and United Nation documents.

Prepared By: Cancer Diagnostics, Inc.

Prepared Date: Dec 1, 2023

Revision History:

Revision #	Date	Approved By	Revision Made
1.00	December 1, 2023	CAK	Initial

Abbreviations & Acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

Disclaimer: The information contained in this document is based on the present state of our knowledge at the time document was revised and should be used as a guide. To the best of our knowledge, the information contained herein is accurate. However, neither Cancer Diagnostics, nor any of its affiliates assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material and whether there is any infringement of patent is the sole responsibility of the user. All chemicals may present unknown hazards. Although certain hazards are described in the publication, we cannot guarantee that these are the only hazards, which exist. Users of any chemical should satisfy themselves by independent investigation of current scientific and medical knowledge that the material can be used safely. Personnel should use this material with caution following good manufacturing or laboratory practices.