

Material Safety Data Sheet

DADE BEHRING

Dimension® system ECO2 Flex® reagent cartridge

MSDS no.

DEDM0030

1. Product and company identification

Product name	: Dimension® system ECO2 Flex® reagent cartridge
Synonym	: Enzymatic Carbon Dioxide Flex® reagent cartridge Dimension® clinical chemistry system Flex® reagent cartridge ECO2
Code	: DF137
Material uses	: Pharmaceutical industry: Diagnostic agents.
Product type	: Liquid.
Manufactured/supplied	: Dade Behring Inc. Corporate Headquarters 1717 Deerfield Road Deerfield, IL 60015-0778 1-847-267-5300 Dade Behring Canada Inc. 1200 Courtneypark Drive East Mississauga, Ontario, Canada L5T-1P2 (905) 564-7333 (800) 264-0083
<u>In case of emergency</u>	: Transportation: (800) 424-9300 (CHEMTREC) Medical: (800) 228-5635 ext. 284 (Prosar)

2. Hazards identification

Physical state	: Liquid.
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Emergency overview	: WARNING ! CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. Severely irritating to the eyes, skin and respiratory system. Avoid exposure - obtain special instructions before use. Do not breathe vapor or mist. Do not get in eyes. Avoid contact with skin and clothing. Contains material that can cause target organ damage. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Routes of entry	: Skin contact Eye contact. Inhalation.
<u>Potential acute health effects</u>	
Inhalation	: Severely irritating to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	: Harmful if swallowed.
Skin	: Irritating to skin.
Eyes	: Irritating to eyes.
<u>Potential chronic health effects</u>	
Chronic effects	: Contains material that can cause target organ damage.
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.
<u>Over-exposure signs/symptoms</u>	

2 . Hazards identification

- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Ingestion** : No specific data.
- Skin** : Adverse symptoms may include the following:
irritation
redness
- Eyes** : Adverse symptoms may include the following:
pain or irritation
watering
redness

See toxicological information (section 11)

3 . Composition/information on ingredients

United States

<u>Name</u>	<u>CAS number</u>	<u>%</u>
ethanediol	107-21-1	5
magnesium chloride, hexahydrate	7791-18-6	1.57
sodium azide	26628-22-8	<0.1

Canada

<u>Name</u>	<u>CAS number</u>	<u>%</u>
1,3-propanediol, 2-amino-2-(hydroxymethyl)-ethanediol	77-86-1	6
	107-21-1	5

There are no additional 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.

4 . First aid measures

- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.
- Skin contact** : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
- Inhalation** : Move exposed person to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
- Ingestion** : Move exposed person to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

5 . Fire-fighting measures

Flammability of the product : In a fire or if heated, a pressure increase will occur and the container may burst.

Extinguishing media

In case of fire, use water spray (fog), foam or dry chemical.

Not suitable : None known.

Special exposure hazards : 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.

Hazardous combustion products : Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
halogenated compounds
metal oxide/oxides

5 . Fire-fighting measures

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.

6 . Accidental release measures

Personal precautions : 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

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).

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

Handling : Put on appropriate personal protective equipment (see section 8). 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. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. 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.

Storage : 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.

8 . Exposure controls/personal protection

Product name

Exposure limits

United States

ethanediol

ACGIH TLV (United States, 1/2007).

C: 100 mg/m³ Form: Aerosol

OSHA PEL 1989 (United States, 3/1989).

CEIL: 125 mg/m³

CEIL: 50 ppm

sodium azide

ACGIH TLV (United States, 1/2007). Notes: as Sodium azide

C: 0.29 mg/m³, (as Sodium azide)

ACGIH TLV (United States, 1/2007). Notes: as Hydrazoic acid vapor

C: 0.11 ppm, (as Hydrazoic acid vapor) Form: Vapor

NIOSH REL (United States, 12/2001). Skin Notes: NAN3

CEIL: 0.3 mg/m³, (NAN3)

NIOSH REL (United States, 12/2001). Skin Notes: As HN3

CEIL: 0.1 ppm, (As HN3)

OSHA PEL 1989 (United States, 3/1989). Skin Notes: as HN3

CEIL: 0.1 ppm, (as HN3)

OSHA PEL 1989 (United States, 3/1989). Skin Notes: as NaN3

CEIL: 0.3 mg/m³, (as NaN3)

Canada

ethanediol

ACGIH TLV (United States, 1/2007).

C: 100 mg/m³ Form: Aerosol

Consult local authorities for acceptable exposure limits.

8 . Exposure controls/personal protection

Sodium Azide, in the quantity present and as this product is normally used, is not likely to have adverse human health effects.

- 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.
- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor 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.
- 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.
- Personal protection**
- Respiratory** : 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.
- Hands** : 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.
- Eyes** : 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.
- Skin** : 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.
- 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.

9 . Physical and chemical properties

- Physical state** : Liquid.
- pH** : 7.5
- Relative density** : 1.029
- Solubility** : Easily soluble in the following materials: cold water.

10 . Stability and reactivity

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Contact with acids and acidic solutions may cause generation of very irritating, flammable hydrazoic acid gas.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Conditions of reactivity**
- Flammability** : Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and metals.
Slightly flammable in the presence of the following materials or conditions: oxidizing materials.

10 . Stability and reactivity

Explosibility : Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat and metals.
Slightly explosive in the presence of the following materials or conditions: oxidizing materials.

11 . Toxicological information

United States

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1,3-propanediol, 2-amino-2-(hydroxymethyl)-	LD50 Intravenous	Rat	1800 mg/kg	-
ethanediol	LD50 Oral	Rat	5900 mg/kg	-
	LD50 Dermal	Rabbit	9530 uL/kg	-
	LD50 Intraperitoneal	Rat	5010 mg/kg	-
	LD50 Intravenous	Rat	3260 mg/kg	-
	LD50 Oral	Rat	4700 mg/kg	-
	LD50 Subcutaneous	Rat	2800 mg/kg	-
	LD50 Unreported	Rat	13 g/kg	-
	LDLo Intramuscular	Rat	3300 mg/kg	-
	LDLo Intramuscular	Rat	3300 mg/kg	-
	LDLo Intravenous	Rat	2800 mg/kg	-
	TDLo Oral	Rat	1000 mg/kg	-
	TDLo Subcutaneous	Rat	3000 mg/kg	-
	TDLo Oral	Rat	120 mg/kg	-
	TDLo Oral	Rat	1110 mg/kg	-
magnesium chloride, hexahydrate	TDLo Oral	Rat	5000 mg/kg	-
	LD50 Oral	Rat	8100 mg/kg	-
	LD50 Oral	Rat	7333.3 mg/kg	-
sodium azide	LDLo Intravenous	Rat	176 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Intratracheal	Rat	47.5 mg/kg	-
	LD50 Intratracheal	Rat	47500 ug/kg	-
	LD50 Oral	Rat	27 mg/kg	-
	LD50 Subcutaneous	Rat	45100 ug/kg	-
	LD50 Subcutaneous	Rat	45 mg/kg	-
	LDLo Subcutaneous	Rat	3 mg/kg	-
	LDLo Intraperitoneal	Rat	30 mg/kg	-
	LDLo Intraperitoneal	Rat	30 mg/kg	-

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
ethanediol	A4	-	-	None.	-	-
sodium azide	A4	-	-	None.	-	-

Mutagenicity

11 . Toxicological information

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

Canada**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
1,3-propanediol, 2-amino-2-(hydroxymethyl)-	LD50 Intravenous	Rat	1800 mg/kg	-
ethanediol	LD50 Oral	Rat	5900 mg/kg	-
	LD50 Dermal	Rabbit	9530 uL/kg	-
	LD50 Intraperitoneal	Rat	5010 mg/kg	-
	LD50 Intravenous	Rat	3260 mg/kg	-
	LD50 Oral	Rat	4700 mg/kg	-
	LD50 Subcutaneous	Rat	2800 mg/kg	-
	LD50 Unreported	Rat	13 g/kg	-
	LDLo Intramuscular	Rat	3300 mg/kg	-
	LDLo Intravenous	Rat	2800 mg/kg	-
	LDLo Intramuscular	Rat	3300 mg/kg	-
	TDLo Oral	Rat	1000 mg/kg	-
	TDLo Oral	Rat	5000 mg/kg	-
	TDLo Subcutaneous	Rat	3000 mg/kg	-
	TDLo Oral	Rat	120 mg/kg	-
	TDLo Oral	Rat	1110 mg/kg	-

Chronic toxicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
ethanediol	A4	-	-	None.	-	-
sodium azide	A4	-	-	None.	-	-

Mutagenicity

Not available.

Teratogenicity

Not available.

Reproductive toxicity

Not available.

12 . Ecological information

Environmental effects : No known significant effects or critical hazards.

United States

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
ethanediol	-	Acute LC50 >18500 mg/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 >100 ml/L Fresh water	Fish - Lepomis macrochirus	96 hours
	-	Acute LC50 41 to 47 ml/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 16 to 18 ml/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 27540 mg/L Fresh water	Fish - Lepomis macrochirus	96 hours
	-	Acute LC50 13900000 to 16600000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 13140000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 10500000 to 12700000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 10000000 to 12300000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 >10000000 ug/L Fresh water	Daphnia - Daphnia magna	48 hours
	-	Acute LC50 >10000000 ug/L Fresh water	Fish - Pimephales promelas	96 hours
	-	Acute LC50 8050000 ug/L Fresh water	Fish - Pimephales promelas	96 hours
	-	Acute LC50 6900000 to 8800000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 49000000 to 60000000 ug/L Fresh water	Fish - Pimephales promelas	96 hours
	-	Acute LC50 22600000 to 26500000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 25500000 to 29800000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
-	Chronic NOEC 11610000 ug/L	Daphnia - Ceriodaphnia	48 hours	

12 . Ecological information

sodium azide	-	Fresh water Chronic NOEC 24000000 ug/L	dubia Daphnia - Ceriodaphnia	48 hours
	-	Fresh water Acute EC50 4.2 to 6.2 mg/L Fresh water	dubia Daphnia - Daphnia pulex	48 hours
	-	Acute LC50 0.8 mg/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 0.68 mg/L Fresh water	Fish - Lepomis macrochirus	96 hours
	-	Acute LC50 5460 to 5870 ug/L Fresh water	Fish - Pimephales promelas	96 hours
	-	Acute LC50 3920 ug/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 2840 ug/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 2750 ug/L Fresh water	Fish - Oncorhynchus mykiss	96 hours

Biodegradability

Not available.

Canada

Aquatic ecotoxicity

<u>Product/ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
ethanediol	-	Acute LC50 >18500 mg/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 >100 ml/L Fresh water	Fish - Lepomis macrochirus	96 hours
	-	Acute LC50 41 to 47 ml/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 16 to 18 ml/L Fresh water	Fish - Oncorhynchus mykiss	96 hours
	-	Acute LC50 27540 mg/L Fresh water	Fish - Lepomis macrochirus	96 hours
	-	Acute LC50 13900000 to 16600000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 13140000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 10500000 to 12700000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50 10000000 to 12300000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
	-	Acute LC50	Daphnia -	48 hours

12 . Ecological information

	>10000000 ug/L Fresh water	Daphnia magna	
-	Acute LC50 >10000000 ug/L Fresh water	Fish - Pimephales promelas	96 hours
-	Acute LC50 8050000 ug/L Fresh water	Fish - Pimephales promelas	96 hours
-	Acute LC50 6900000 to 8800000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
-	Acute LC50 49000000 to 60000000 ug/L Fresh water	Fish - Pimephales promelas	96 hours
-	Acute LC50 22600000 to 26500000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
-	Acute LC50 25500000 to 29800000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
-	Chronic NOEC 11610000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours
-	Chronic NOEC 24000000 ug/L Fresh water	Daphnia - Ceriodaphnia dubia	48 hours

Biodegradability

Not available.

13 . Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 . Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
ADR/RID Class	Not regulated.	-	-	-		-

14 . Transport information

IMDG Class	Not regulated.	-	-	-	-
IATA-DGR Class	Not regulated.	-	-	-	-

PG* : Packing group

15 . Regulatory information**United States**

- HCS Classification** : Irritating material
Target organ effects
- U.S. Federal regulations** : TSCA 8(b) inventory: ethanediol; magnesium chloride, hexahydrate; sodium azide
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: ethanediol
SARA 311/312 MSDS distribution - chemical inventory - hazard identification:
ethanediol: Immediate (acute) health hazard, Delayed (chronic) health hazard;
magnesium chloride, hexahydrate: Immediate (acute) health hazard
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: ethanediol

SARA 313

	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: ethanediol	107-21-1	5
Supplier notification	: ethanediol	107-21-1	5

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

- State regulations** : **Connecticut Carcinogen Reporting:** None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: The following components are listed: ETHYLENE GLYCOL
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Hazardous Substances: The following components are listed: ETHYLENE GLYCOL
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New York Acutely Hazardous Substances: The following components are listed:
Ethylene glycol
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: The following components are listed: 1,2-ETHANEDIOL
Rhode Island Hazardous Substances: None of the components are listed.

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

15 . Regulatory information

Canada

- WHMIS (Canada)** : Not a WHMIS controlled material.
Canadian lists : CEPA DSL: water; ethanediol; sodium azide
Canada inventory : **Canada inventory:** Not determined.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

16 . Other information

- Label requirements** : CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.

The customer is responsible for determining the PPE code for this material.

EU regulations

- Risk phrases** : This product is not classified according to EU legislation.

International regulations

- International lists** : **Australia inventory (AICS):** Not determined.
China inventory (IECSC): Not determined.
Korea inventory (KECI): Not determined.
Philippines inventory (PICCS): Not determined.
Japan inventory (ENCS): Not determined.

Date of printing : 10/9/2007.

Date of issue : 10/9/2007.

Version : 1.06

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.