

**Material Safety Data Sheet**  
**Sicklescreen Reaction Vial Pouches****Section 1 - Chemical Product and Company Identification****MSDS Name:**

Sicklescreen Reaction Vial Pouches

**Catalog Numbers:**

200253

**Synonyms:**

Sodium hydrosulphite; Sodium sulfoxylate; Sodium dithionite.

**Company Identification:**Fisher Diagnostics  
Fisher Scientific Company LLC  
8365 Valley Pike  
Middletown, VA 22645-0307**Company Phone Number:**

(800) 528-0494

**Emergency Phone Number:**

(800) 528-0494

**CHEMTREC Phone Number, US:**

(800) 424-9300

**CHEMTREC Phone Number, Europe:**

(202) 483-7616

**Section 2 - Composition, Information on Ingredients**

CAS#	Chemical Name:	Percent	EINECS/ ELINCS
7775-14-6	Sodium dithionite	>80	231-890-0

**Material Safety Data Sheet**  
**Sicklescreen Reaction Vial Pouches****Section 3 - Hazards Identification****EMERGENCY OVERVIEW**

*Appearance: White crystalline powder*

*Warning! Self-heating; exposure to air may cause substance to self-heat without an energy supply. Spontaneously combustible material. Exposure to small amounts of water causes spontaneous ignition, & the resulting decomposition causes SO<sub>2</sub> to be released. Large amounts of water will dissolve the product but the stability of solutions is limited & they quickly oxidize when exposed to air Strong reducing agent. Fire and explosion risk in contact with oxidizing agents. Causes eye irritation. May cause skin and respiratory tract irritation. May cause central nervous system effects. Contact with acids liberates toxic gas, sulfur dioxide. Heat sensitive.*

*Target Organs: Central nervous system, Eyes*

**Potential Health Effects****Eye:**

May cause lacrimation (tearing), blurred vision, and photophobia. May cause chemical conjunctivitis and corneal damage.

**Skin:**

May cause skin irritation and possible burns.

**Ingestion:**

May cause nausea, vomiting, abdominal pain, and increased salivation.

**Inhalation:**

Inhalation of dust may cause respiratory tract irritation. Olfactory fatigue may occur.

**Chronic:**

No information found.

**Section 4 - First Aid Measures****Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:**

Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.

**Ingestion:**

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation.

**Notes to Physician:**

Treat symptomatically

**Material Safety Data Sheet**  
**Sicklescreen Reaction Vial Pouches****Section 5 - Fire Fighting Measures****General Information:**

Evacuate area and fight fire from a safe distance. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Combustible solid. May decompose explosively when heated or involved in a fire. Powerful reducing agent. Closed containers may rupture violently when heated. Heats spontaneously in contact with air, especially moist air, and may ignite surrounding combustible materials.

**Extinguishing Media:**

Use dry sand or earth to smother fire. If water is the only media available, use in flooding amounts.

**Autoignition Temperature:**

> 80°C (> 176.00°F)

**Explosion Limits:**

Lower: Not available      Upper: Not available

**Flash Point:**

Not applicable.

**NFPA Rating:**

(estimated) Health: 2; Flammability: 1; Instability: 2

**Section 6 - Accidental Release Measures****General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Scoop up with a nonsparking tool, then place into a suitable container for disposal. Avoid generating dusty conditions. Remove all sources of ignition. Place under an inert atmosphere. Do not get water inside containers. Control runoff and isolate discharged material for proper disposal.

**Section 7 - Handling and Storage****Handling:**

Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Handle under an inert atmosphere. Store protected from air. Do not allow contact with water. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Keep from contact with moist air and steam.

**Storage:**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not expose to air. Store protected from moisture. Store under an inert atmosphere. Isolate from oxidizing materials and acids. Should not be exposed to temperatures above 122°F (50°C). Do not store in an area equipped with emergency water sprinklers. Consider equipping storage facilities with sulfur dioxide detectors.

**Material Safety Data Sheet**  
**Sicklescreen Reaction Vial Pouches**
**Section 8 - Exposure Controls, Personal Protection**
**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

**Exposure Limits**

Chemical Name:	ACGIH	NIOSH	OSHA
Sodium dithionite	None listed	None listed	None listed

**OSHA Vacated PELs**
**Personal Protective Equipment**
**Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Section 9 - Physical and Chemical Properties**

**Physical State:** Crystalline powder

**Color:** White

**Odor:** Penetrating odor - sulfur dioxide odor

**pH:** No information found

**Vapor Pressure:** No information found

**Vapor Density:** No information found

**Evaporation Rate:** No information found

**Viscosity:** No information found

**Boiling Point:** No information found

**Freezing/Melting Point:** 55°C

**Decomposition Temperature:** 70-130°C

**Solubility in water:** 25 g/100ml (20°C)

**Specific Gravity/Density:** 1.4

**Molecular Formula:** Na<sub>2</sub>O<sub>4</sub>S<sub>2</sub>

**Molecular Weight:** 174.10

**Material Safety Data Sheet**  
**Sicklescreen Reaction Vial Pouches****Section 10 - Stability and Reactivity****Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Ignition sources, dust generation, exposure to air, excess heat, moisture, high humidity

**Incompatibilities with Other Materials**

Strong oxidizing agents, strong acids

**Hazardous Decomposition Products**

Carbon monoxide, oxides of sulfur, carbon dioxide

**Hazardous Polymerization**

Has not been reported.

**Section 11 - Toxicological Information****RTECS:**

CAS# 7775-14-6 unlisted

**LD50/LC50:**

CAS# 7775-14-6:  
No information found

**Carcinogenicity:**

CAS# 7775-14-6: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:**

No information found

**Teratogenicity:**

No information found

**Reproductive:**

No information found

**Mutagenicity:**

No information found

**Neurotoxicity:**

No information found

**Other:****Section 12 - Ecological Information****Ecotoxicity:**

No information found

**Environmental:**

No information found

**Physical:**

No information found

## Material Safety Data Sheet

### Sicklescreen Reaction Vial Pouches

**Other:**

COD (per g of sodium dithionite) = 210 mg O<sub>2</sub>.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P Series Wastes**

None of the components are on this list.

**RCRA U Series Wastes**

None of the components are on this list.

## Section 14 - Transport Information

**US DOT****Canadian TDG**

**Proper Shipping Name:** SODIUM DITHIONITE  
**Hazard Class:** 4.2  
**UN Number:** UN1384  
**Packing Group:** II

SODIUM DITHIONITE  
 4.2  
 UN1384  
 II

## Section 15 - Regulatory Information

**US Federal****TSCA**

CAS# 7775-14-6 is listed on the TSCA Inventory.

**Health and Safety Reporting List**

None of the components are on this list.

**Chemical Test Rules**

None of the components are on this list.

**TSCA Section 12b**

None of the components are on this list.

**TSCA Significant New Use Rule (SNUR)**

None of the components are on this list.

**CERCLA Hazardous Substances and corresponding RQs**

None of the components are on this list.

**SARA Section 302 Extremely Hazardous Substances**

None of the components are on this list.

**Material Safety Data Sheet**  
**Sicklescreen Reaction Vial Pouches****SARA Hazard Categories**

CAS# 7775-14-6: immediate, fire, reactive.

**SARA Section 313**

None of the components are on this list.

**Clean Air Act - Hazardous Air Pollutants (HAPs)**

None of the components are on this list.

**Clean Air Act - Class 1 Ozone Depletors**

None of the components are on this list.

**Clean Air Act - Class 2 Ozone Depletors**

None of the components are on this list.

**Clean Water Act - Hazardous Substances**

None of the components are on this list.

**Clean Water Act - Priority Pollutants**

None of the components are on this list.

**Clean Water Act - Toxic Pollutants**

None of the components are on this list.

**OSHA - Highly Hazardous**

None of the components are on this list.

**OSHA - Specifically Regulated Chemicals**

None of the components are on this list.

**US State****State Right to Know**

Sodium dithionite can be found on the following state Right-to-Know lists: New Jersey, Pennsylvania, Massachusetts.

**California Prop 65**

None of the components are on this list.

**California No Significant Risk Level**

None of the components are on this list.

**European/International Regulations****European Labelling in Accordance with EC Directives:**

Hazard Symbols: XN

Risk Phrases: R 22 Harmful if swallowed.

R 31 Contact with acids liberates toxic gas.

R 7 May cause fire.

Safety Phrases: S 7/8 Keep container tightly closed and dry.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28A After contact with skin, wash immediately with plenty of water.

S 43E In case of fire, use dry sand (never use water).

**WGK (Water Danger/Protection)**

No information found

**United Kingdom Occupational Exposure Limits**

No information found

**Material Safety Data Sheet**  
**Sicklescreen Reaction Vial Pouches****United Kingdom Maximum Exposure Limits**

No information found

**Canadian DSL/NDSL**

CAS# 7775-14-6 is listed on Canada's DSL List.

**Canadian WHMIS Classifications**

This product has a WHMIS classification of B6.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

No information found

**Section 16 - Other Information**

No information found

MSDS Creation Date: August 1, 2007

Revision Date: August 1, 2007

**Revisions were made in Sections:**

14

*This MSDS is intended for review and guidance in the receipt, storage, handling, use and disposal of product purchased from us, and for no other purpose. Use this product only as directed and in accordance with applicable instructions and warnings provided with the product. Please consult your institution's policies regarding use of this product. If you have obtained this MSDS other than in connection with the supply of this product from us, this MSDS should be consulted for general information only, and should not be relied upon for any purpose. As with the use of all hazardous materials, you should in all instances follow the guidance of the MSDS provided or available with the specific product purchased.*

## Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Sicklescreen Phosphate Buffer

**Catalog Numbers:**

200256

**Synonyms:**

None Known.

**Company Identification:**
 Fisher Diagnostics  
 Fisher Scientific Company LLC  
 8365 Valley Pike  
 Middletown, VA 22645-0307
**Company Phone Number:**

(800) 528-0494

**Emergency Phone Number:**

(800) 528-0494

**CHEMTREC Phone Number, US:**

(800) 424-9300

**CHEMTREC Phone Number, Europe:**

(202) 483-7616

## Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent	EINECS/ ELINCS	Hazard Symbols	Risk Phrases
7732-18-5	High Purity Water	>72	231-791-2		
7758-11-4	Dipotassium phosphate	17.68	231-834-5		
7778-77-0	Dihydrogen potassium phosphate	10.07	231-913-4		
26628-22-8	Sodium azide	<0.01	247-852-1		
74499-23-3	Saponins	<0.01	Not available		

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

*Appearance: Clear colorless liquid*

*Caution! May cause eye, skin, and respiratory tract irritation. The toxicological properties of this material have not been fully investigated.*

*Target Organs: No data found*

#### Potential Health Effects

**Eye:**

May cause eye irritation.

**Skin:**

May cause skin irritation.

**Ingestion:**

May cause irritation of the digestive tract.

**Inhalation:**

May cause respiratory tract irritation.

**Chronic:**

No information found.

## Section 4 - First Aid Measures

**Eyes:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**Skin:**

In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Ingestion:**

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 aid.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

**Autoignition Temperature:**

Not available

**Explosion Limits:**

Lower: Not available      Upper: Not available

**Flash Point:**

Not available

**NFPA Rating:**

(estimated) Health: 1; Flammability: 0; Instability: 0

**Section 6 - Accidental Release Measures**

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation. This material contains small quantities of sodium azide which may react with lead or copper plumbing to form metal zide. Continuous build-up of metal azides can present an explosion hazard. Flushing this material down the drain is not recommended.

**Section 7 - Handling and Storage**

**Handling:**

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:**

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**Section 8 - Exposure Controls, Personal Protection**

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

<b>Chemical Name:</b>	<b>ACGIH</b>	<b>NIOSH</b>	<b>OSHA</b>
<b>High Purity Water</b>	None listed	None listed	None listed
<b>Dipotassium phosphate</b>	None listed	None listed	None listed
<b>Dihydrogen potassium phosphate</b>	None listed	None listed	None listed
<b>Sodium azide</b>	0.29 mg/m3 Ceiling (as NaN3); 0.11 ppm Ceiling (vapor, as hydrazoic acid)	0.1 ppm Ceiling (as HN3); 0.3 mg/m3 Ceiling (as NaN3)	None listed

<b>Saponins</b>	None listed	None listed	None listed
<b>OSHA Vacated PELs</b>			

### Personal Protective Equipment

**Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Color:** Clear colorless

**Odor:** No information found

**pH:** 6.8 - 7.1

**Vapor Pressure:** No information found

**Vapor Density:** No information found

**Evaporation Rate:** No information found

**Viscosity:** No information found

**Boiling Point:** No information found

**Freezing/Melting Point:** No information found

**Decomposition Temperature:** No information found

**Solubility in water:** No information found

**Specific Gravity/Density:** No information found

**Molecular Formula:** Solution

**Molecular Weight:** No information found

## Section 10 - Stability and Reactivity

**Chemical Stability:**

Stable under normal temperatures and pressures.

**Conditions to Avoid:**

Excess heat

**Incompatibilities with Other Materials**

Strong oxidizing agents

**Hazardous Decomposition Products**

No data available

**Hazardous Polymerization**

Has not been reported.

**Section 11 - Toxicological Information****RTECS:**

CAS# 7732-18-5: ZC0110000  
CAS# 7758-11-4 unlisted  
CAS# 7778-77-0: TC6615500  
CAS# 26628-22-8: VY8050000  
CAS# 74499-23-3 unlisted

**LD50/LC50:**

CAS# 7732-18-5:  
Oral, rat: LD50 = >90 mL/kg.  
CAS# 7758-11-4:  
No information found  
CAS# 7778-77-0:  
Skin, rabbit: LD50 = >4640 mg/kg.  
CAS# 26628-22-8:  
Inhalation, mouse: LC50 = 32400 ug/m<sup>3</sup>  
Inhalation, rat: LC50 = 37 mg/m<sup>3</sup>  
Oral, mouse: LD50 = 27 mg/kg  
Oral, rat: LD50 = 27 mg/kg  
Skin, rabbit: LD50 = 20 mg/kg  
Skin, rat: LD50 = 50 mg/kg.  
CAS# 74499-23-3:  
No information found

**Carcinogenicity:**

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 7758-11-4: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 7778-77-0: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 26628-22-8: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 74499-23-3: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:**

No information found

**Teratogenicity:**

No information found

**Reproductive:**

No information found

**Mutagenicity:**

No information found

**Neurotoxicity:**

No information found

**Other:**

The toxicological properties have not been fully investigated.

## Section 12 - Ecological Information

No information found

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### RCRA P Series Wastes

CAS# 26628-22-8: waste number P105.

### RCRA U Series Wastes

None of the components are on this list.

## Section 14 - Transport Information

### US DOT

### Canadian TDG

**Proper Shipping Name:** Not Regulated

Not Regulated

**Hazard Class:**

**UN Number:**

**Packing Group:**

USA RQ: CAS# 26628-22-8: 1000 lb final RQ; 454 kg final RQ

## Section 15 - Regulatory Information

### US Federal

#### TSCA

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 7758-11-4 is listed on the TSCA Inventory.

CAS# 7778-77-0 is listed on the TSCA Inventory.

CAS# 26628-22-8 is listed on the TSCA Inventory.

CAS# 74499-23-3 is listed on the TSCA Inventory.

#### Health and Safety Reporting List

None of the components are on this list.

#### Chemical Test Rules

None of the components are on this list.

#### TSCA Section 12b

None of the components are on this list.

**TSCA Significant New Use Rule (SNUR)**

None of the components are on this list.

**CERCLA Hazardous Substances and corresponding RQs**

CAS# 26628-22-8: 1000 lb final RQ; 454 kg final RQ

**SARA Section 302 Extremely Hazardous Substances**

CAS# 26628-22-8: 500 lb TPQ (This material is a reactive solid. The TPQ does not default to 10000

**SARA Hazard Categories**

CAS# 7778-77-0: immediate.

CAS# 26628-22-8: immediate, delayed, reactive.

CAS# 74499-23-3: immediate, delayed.

**SARA Section 313**

Sodium azide is not at a high enough concentration to be reportable under Section 313.

**Clean Air Act - Hazardous Air Pollutants (HAPs)**

None of the components are on this list.

**Clean Air Act - Class 1 Ozone Depletors**

None of the components are on this list.

**Clean Air Act - Class 2 Ozone Depletors**

None of the components are on this list.

**Clean Water Act - Hazardous Substances**

None of the components are on this list.

**Clean Water Act - Priority Pollutants**

None of the components are on this list.

**Clean Water Act - Toxic Pollutants**

None of the components are on this list.

**OSHA - Highly Hazardous**

None of the components are on this list.

**OSHA - Specifically Regulated Chemicals**

None of the components are on this list.

**US State****State Right to Know**

Sodium azide can be found on the following state Right-to-Know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

No information found

**California Prop 65**

None of the components are on this list.

**California No Significant Risk Level**

None of the components are on this list.

None of the components are on this list.

None of the components are on this list.

None of the components are on this list.

None of the components are on this list.

**European/International Regulations**

**European Labelling in Accordance with EC Directives:**

Hazard Symbols: None listed  
Risk Phrases: None listed  
Safety Phrases: S 24/25 Avoid contact with skin and eyes.

**WGK (Water Danger/Protection)**

No information found

**United Kingdom Occupational Exposure Limits**

No information found

**United Kingdom Maximum Exposure Limits**

No information found

**Canadian DSL/NDSL**

CAS# 7732-18-5 is listed on Canada's DSL List.  
CAS# 7758-11-4 is listed on Canada's DSL List.  
CAS# 7778-77-0 is listed on Canada's DSL List.  
CAS# 26628-22-8 is listed on Canada's DSL List.  
CAS# 74499-23-3 is listed on Canada's DSL List.

**Canadian WHMIS Classifications**

No information found  
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

**Canadian Ingredient Disclosure List**

CAS# 26628-22-8 is listed on the Canadian Ingredient Disclosure List.

## Section 16 - Other Information

Color information has been  
MSDS Creation Date: August 1, 2007  
Revision Date: August 1, 2007

**Revisions were made in Sections:**

2, 3, 5, 6, 9, 10, 11, 14, 16

*This MSDS is intended for review and guidance in the receipt, storage, handling, use and disposal of product purchased from us, and for no other purpose. Use this product only as directed and in accordance with applicable instructions and warnings provided with the product. Please consult your institution's policies regarding use of this product. If you have obtained this MSDS other than in connection with the supply of this product from us, this MSDS should be consulted for general information only, and should not be relied upon for any purpose. As with the use of all hazardous materials, you should in all instances follow the guidance of the MSDS provided or available with the specific product purchased.*