



# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**M.L.D. BOWL CLEANSE**

Product Number: 7225; 7575

Product Division:

Janitorial

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990  
Medical Emergency: 1-(888)-314-6171 (24 hours)  
Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Corrosive liquids, n.o.s., 8, UN 1760, III, (contains phosphoric acid)

NFPA Ratings:	HMIS Ratings:
Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Phosphoric acid	20-30	7664-38-2	1	3 (NIOSH)	Not Established	No
Alkyl dimethyl benzyl ammonium chloride	< 1.0	68424-85-1	Not Established	Not Established	Not Established	No
	-	-	-	-	-	-

### SECTION III: PHYSICAL DATA

Boiling Point: 210-212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: < 1.0	Specific Gravity (H <sub>2</sub> O=1): 1.14
Evaporation Rate (but. ace.=1): <1	Percent Solid by Weight: 25-30
Physical State: Liquid	
Appearance & Odor: Clear pink liquid, floral fragrance	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: None to 212°F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Dry chemical, Water fog, CO <sub>2</sub> , Foam.	
Special Fire Fighting Procedures: Cool fire exposed containers with spray. Wear NIOSH approved self contained breathing apparatus	
Unusual Fire & Explosive Hazards: Explosive mixtures can form with air. Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established

Primary Routes of Entry: Inhalation, Skin Contact, Eyes, Ingestion

Effects of Overexposure- Conditions to Avoid:	<b>CORROSIVE.</b> <b>CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS:</b> Symptoms may include pain, redness, swelling and tissue damage. Harmful if absorbed through the skin. <b>HARMFUL IF SWALLOWED .</b> Symptoms may include nausea, vomiting, pain and diarrhea. <b>HARMFUL IF INHALED.</b> Breathing spray mist may cause coughing, difficulty breathing and possibly tissue injury. <b>Do not get in eyes, skin or clothing. Do not taste or swallow. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Wear goggles or face shield and rubber gloves and protective clothing when handling . Remove contaminated clothing and wash clothing before reuse .</b>
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin, eye and respiratory disorders including asthma and dermatitis.
<b>Emergency &amp; First Aid Procedures :</b>	
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses; if present; after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. <span style="float: right;">Note to Physician:</span> Probable mucosal damage may contraindicate the use of gastric lavage
Inhalation:	Move person to fresh air. If person is not breathing; call 911 or an ambulance; then give artificial respiration; preferably mouth to mouth; if possible. Call a poison control center or doctor for further treatment advice.

**SECTION VI: REACTIVITY DATA**

Stability: Stable	Incompatible Materials: Concentrated alkali; hypochlorites (chlorine bleach); Aluminum and other reactive metals.
Hazardous Decomposition Products: Oxides of phosphorus	Hazardous Polymerization: Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled	Contain large spills and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and dispose in accordance with Federal, State and Local regulations.
Waste Disposal Method:	Follow Federal, State and Local regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not expected to be required if good general ventilation is provided. However if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, use of an appropriate NIOSH approved respirator with a full facemask should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Acid resistant gloves
Eye Protection(Specify Type):	Splash goggles
Other Protective Equipment:	Eye wash stations and washing facilities should be readily accessible. See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep from freezing. Store in original container.
Other Precautions:	Keep out of reach of children

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Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

M.L.D. BOWL CLEANSE

Effective Date: 06/08/2011

Supersedes: 03/25/2008

Ref: 29 CFR 1910.1200 (OSHA)

Changes: General Update

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**METAQUAT GERMICIDAL CLEANER**  
Product Number: 1013;  
2-Liter Cartridge: 4840

Product Division:  
Janitorial

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990  
Medical Emergency: 1-(888)-314-6171 (24 hours)  
Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Disinfectants, liquid, corrosive, n.o.s., 8, UN1903, II, (contains sodium metasilicate)

NFPA Ratings:	HMIS Ratings:
Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Alcohol ethoxylate	1-5	68439-46-3	Not Established	Not Established	Not Established	No
Sodium metasilicate	1-5	6834-92-0	Not Established	Not Established	Not Established	No
Tetrasodium EDTA	1-5	64-02-8	Not Established	Not Established	Not Established	No
Alkyl dimethyl benzyl ammonium chloride	1-5	68424-85-1	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: 210 °F	Vapor Pressure: Not determined
Vapor Density (AIR = 1): Not determined	Solubility in Water: Complete
pH: 12.8-13.1	Specific Gravity (H <sub>2</sub> O=1): 1.04
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 10-15
Physical State: Liquid	
Appearance & Odor: Red orange liquid, quat odor	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 210°F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes and Oral
Effects of Overexposure- Conditions to Avoid:	<b>CORROSIVE.</b> <b>CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS:</b> Symptoms may include pain, redness, swelling and tissue damage. May be fatal if absorbed through the skin. <b>HARMFUL IF SWALLOWED .</b> Symptoms may include nausea, vomiting, pain and diarrhea. <b>INHALATION OF SPRAY MIST MAY CAUSE RESPIRATORY IRRITATION.</b> Breathing spray mist may cause coughing and difficulty breathing. <b>Do not get in eyes, skin or clothing. Do not taste or swallow. Avoid inhalation of spray mist. Wash thoroughly with soap and water after handling .</b>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.		
<b>Emergency &amp; First Aid Procedures :</b>			
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses; If present ; after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.		
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes . Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.		
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.		
Inhalation:	In case of respiratory irritation; move person to fresh air. If person is not breathing; call 911 or an ambulance then give artificial respiration; preferably by mouth-to-mouth; if possible. Call a poison control center or doctor for further treatment advice.		

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	CO, CO <sub>2</sub>	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal.
Waste Disposal Method:	Same as above. Container disposal: Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incinerate, or if allowed by state and local authorities, burn. If burned, stay out of smoke.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required when good general ventilation is provided. However, if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or other impervious gloves are recommended to prevent skin contact.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	Alkali resistant aprons and boots are recommended where body or foot contact is likely. Eye wash stations and washing facilities should be readily accessible. See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Keep from freezing.
Other Precautions:	Keep out of reach of children.

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METAQUAT GERMICIDAL CLEANER  
Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook  
Effective Date: 06/08/2011  
Changes: General Review

Title: Manager, Regulatory Affairs  
Supercedes: 03/25/2008

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**MILLENNIA BRIGHT DURA GLOSS LAMINATE**  
Product Number: 4060

Product Division:  
Janitorial

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990  
Medical Emergency: 1-(888)-314-6171 (24 hours)  
Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non-Hazardous Products

NFPA Ratings:	HMIS Ratings:
Health: 1 - Slight Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: *1 - Slight; Chronic Hazard Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Acrylic polymer	10-15	65404-61-0	Not Established	Not Established	Not Established	No
*Diethylene glycol ethyl ether	1-5	111-90-0	140 (AIHA)	Not Established	Not Established	No
Tributoxyethyl phosphate	1-5	78-51-3	Not Established	Not Established	Not Established	No
Ethylene copolymer	1-5	67892-91-5	Not Established	Not Established	Not Established	No

Comment: \*This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

### SECTION III: PHYSICAL DATA

Boiling Point: 210 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 8.0-8.5	Specific Gravity (H <sub>2</sub> O=1): 1.025
Evaporation Rate (but.ac.=1): <1	Percent Solid by Weight: 15-20
Physical State: Liquid	
Appearance & Odor: Translucent milky emulsion. Slight ammonia odor.	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 200 °F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Dried Product can burn. Combustion products are toxic.	

## SECTION V: HEALTH HAZARD DATA

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes
Effects of Overexposure- Conditions to Avoid:	<b>Causes mild eye irritation</b> : Symptoms may include pain, redness, swelling and tearing. <b>May cause skin irritation</b> : Symptoms may include redness, pain and swelling. <b>Harmful if swallowed</b> : Symptoms may include nausea, vomiting, pain and diarrhea. <b>Inhalation of vapors may cause respiratory irritation , headache and nausea</b> . Contains diethylene glycol monoethyl ether which may cause central nervous system depression liver and kidney impairment. Contains tributoxyethyl phosphate which may cause nervous system effects such as ataxia, breathing abnormalities and tremors with prolonged or repeated contact No chronic health effects are expected from the intended use of this product. <b>Avoid contact with eyes and skin. Avoid breathing product vapors or mist. Use with adequate ventilation. Do not taste or swallow . Wash thoroughly after handling .</b>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting eye; skin and respiratory disorders such as asthma and dermatitis.		
<b>Emergency &amp; First Aid Procedures :</b>			
Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention.		
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.		
Ingestion:	Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.		
Inhalation:	Move person to fresh air. If irritation persists get medical attention.		

## SECTION VI: REACTIVITY DATA

Stability:	Stable	Incompatible Materials:	None known
Hazardous Decomposition Products:	None known	Hazardous Polymerization:	Will Not Occur

## SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for disposal. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Dispose of in compliance with all federal state and local laws and regulations.

## SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not normally required when good general ventilation is provided. However, if exposure levels are exceeded (see Section II) or if respiratory irritation occurs, a NIOSH approved respirator suitable for the use-conditions and chemicals listed in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or other impervious gloves are recommended.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	See 29 CFR 1910.132-138 for further guidance.

## SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing:	Keep from freezing.
Other Precautions:	Keep out of reach of children.

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MILLENNIA BRIGHT DURA GLOSS  
LAMINATE

Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook

Effective Date: 06/08/2011

Changes: Revised Formula

Title: Manager, Regulatory Affairs

Supercedes: 09/22/2008

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**MILLENNIA BRIGHT DURA PRIME**  
Product Number: 5560

Product Division:  
Janitorial

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990  
Medical Emergency: 1-(888)-314-6171 (24 hours)  
Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non-Hazardous Products

NFPA Ratings:	HMIS Ratings:
Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 1- Slight Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Acrylic polymer	10-15	65404-61-0	Not Established	Not Established	Not Established	No
*Diethylene glycol ethyl ether	5-10	111-90-0	140 (AIHA)	Not Established	Not Established	No
Tributoxyethyl phosphate	1-5	78-51-3	Not Established	Not Established	Not Established	No

Comment: \*This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

### SECTION III: PHYSICAL DATA

Boiling Point: 210 °F	Vapor Pressure: Undetermined
Vapor Density (AIR = 1): Undetermined	Solubility in Water: Complete
pH: 8.5-9.0	Specific Gravity (H <sub>2</sub> O=1): 1.022
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 20-25
Physical State: Liquid	
Appearance & Odor: Milky emulsion, acrylic odor	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 200 °F	Method Used: ASTM-D56
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing	
Unusual Fire & Explosive Hazards: Dried Product can burn. Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established

Primary Routes of Entry: Inhalation, Skin Contact, Eyes &amp; Ingestion

Effects of Overexposure- **Causes mild eye irritation** : Symptoms may include pain, redness, swelling and tearing.Conditions to Avoid: **May cause skin irritation** : Symptoms may include redness, pain and swelling.**Harmful if swallowed** : Symptoms may include nausea, vomiting, pain and diarrhea.**Inhalation of vapors may cause respiratory irritation , headache and nausea .**

Contains diethylene glycol monoethyl ether which may cause central nervous system depression, liver and kidney impairment. Contains tributoxyethyl phosphate which may cause nervous system effects such as ataxia, breathing abnormalities and tremors with prolonged or repeated contact. No chronic health effects are expected from the intended use of this product.

**Avoid contact with eyes and skin. Avoid breathing product vapors or mist. Use with adequate ventilation. Do not taste or swallow . Wash thoroughly after handling .**

Conditions Aggravated by Use: Use of this product may aggravate preexisting eye, skin and respiratory disorders such as asthma and dermatitis.

**Emergency & First Aid Procedures :**

Eyes: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If irritation persists; get medical attention.

**SECTION VI: REACTIVITY DATA**

Stability: Stable

Incompatible Materials: None known

Hazardous Decomposition Products: None known

Hazardous Polymerization: Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case

Material is Released or Spilled: Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (if permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for disposal. Keep spill out of storm sewers and waterways.

Waste Disposal Method: Dispose of in compliance with all federal, state and local laws and regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Not normally required when good general ventilation is provided. However, if exposure levels are exceeded (see Section II) or if respiratory irritation occurs, a NIOSH approved respirator suitable for the use-conditions and chemicals listed in Section II should be considered.

Ventilation: Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.

Protective Gloves(Specify Type): Rubber or other impervious gloves are recommended.

Eye Protection(Specify Type): Splash goggles are recommended to prevent eye contact.

Other Protective Equipment: See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling &amp; Storing: Keep out of reach of children.

Other Precautions: Keep from freezing.

© SCC 05/12/2011

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

MILLENNIA BRIGHT DURA PRIME

Effective Date: 05/12/2011

Supersedes: 09/22/2008

Ref: 29 CFR 1910.1200 (OSHA)

Changes: Revised Formula

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**NABC DEODORIZING RIM CAGES**  
Product Number: 8002

Product Division:  
**Janitorial**

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990  
Medical Emergency: 1-(888)-314-6171 (24 hours)  
Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non-Hazardous Products

NFPA Ratings:	HMIS Ratings:
Health: 0 - Minimal Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 0 - Minimal Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: N/A

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Sodium sulfate	45-55	7757-82-6	Not Established	Not Established	Not Established	No
Propylene glycol	25-35	57-55-6	Not Established	Not Established	Not Established	No
Sodium dodecyl benzene sulfonate	10-15	25155-30-0	Not Established	Not Established	Not Established	No
Sodium tallowate	05-10	8052-48-0	Not Established	Not Established	Not Established	No
Acid Blue 9, disodium salt	01-05	3844-45-9	Not Established	Not Established	Not Established	No
Fragrance	01-05	Proprietary	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: N/A	Vapor Pressure: N/A
Vapor Density (AIR = 1): N/A	Solubility in Water: Soluble
pH: N/A	Specific Gravity (H <sub>2</sub> O=1): 1.20
Evaporation Rate (but.ace.=1): N/A	Percent Solid by Weight: 100
Physical State: Solid	
Appearance & Odor: Solid blue block, fresh fragrance	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: Estimate
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Skin Contact
Effects of Overexposure- Conditions to Avoid:	Minor skin irritant. May irritate eyes. If swallowed may cause nausea, abdominal pain, diarrhea, vomiting. Avoid contact with eyes and prolonged contact with skin. Do not swallow. Wash thoroughly after handling.		
Conditions Aggravated by Use:	Unknown		
Emergency & First Aid Procedures :			
Eyes:	Flush thoroughly with water for 15 minutes. Remove contact lenses. If irritation persists; call a physician.		
Skin:	Wash thoroughly with water.		
Ingestion:	If ingested; do NOT induce vomiting. Call a physician.		

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Unknown
Hazardous Decomposition Products:	Unknown	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Product consists of solid units. Collect for reprocessing or disposal.
Waste Disposal Method:	Dispose of in compliance with all federal, state and local laws and regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	None required
Ventilation:	Normal ventilation
Protective Gloves(Specify Type):	None required
Eye Protection(Specify Type):	None required
Other Protective Equipment:	See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Store in a cool place. Wash hands thoroughly with soap and water after handling.
Other Precautions:	Keep out of reach of children

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Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

NABC DEODORIZING RIM CAGES

Effective Date: 06/08/2011

Supercedes: 03/25/2008

Ref: 29 CFR 1910.1200 (OSHA)

Changes: General Review

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**NABC DEODORIZING URINAL SCREENS**  
Product Number: 8000

Product Division:  
Janitorial

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990  
Medical Emergency: 1-(888)-314-6171 (24 hours)  
Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non-Hazardous Products

NFPA Ratings:	HMIS Ratings:
Health: 0 - Minimal Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 0 - Minimal Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
NO HAZARDOUS INGREDIENTS AS DEFINED BY 29 CFR 1910.1200 AT 1% OR GREATER CONCENTRATION	NA	NA	NA	NA	NA	No

Comment: There are no known hazardous ingredients. This is essentially a device where a fragrance is encapsulated in a PVC plastic mat at about 2-3% by weight. The fragrance composition is proprietary and is free of RIFM\* identified sensitizers, irritants and phototoxicants. \*Research Institute for fragrance materials.

### SECTION III: PHYSICAL DATA

Boiling Point: N/A	Vapor Pressure: N/A
Vapor Density (AIR = 1): N/A	Solubility in Water: N/A
pH: N/A	Specific Gravity (H <sub>2</sub> O=1): N/A
Evaporation Rate (but.acet.=1): Unknown	Percent Solid by Weight: N/A
Physical State: Solid	
Appearance & Odor: Solid plastic mat / Fresh fragrance	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: N/A°F	Method Used: N/A
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established	Primary Routes of Entry: Skin Contact
Effects of Overexposure- None Known	
Conditions to Avoid:	
Conditions Aggravated by Use: None known	

**SECTION VI: REACTIVITY DATA**

Stability: Stable	Incompatible Materials: None
Hazardous Decomposition Products: Unknown	Hazardous Polymerization: Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case
Material is Released or Spilled: Product consists of solid units. Collect for reprocessing or disposal
Waste Disposal Method: Dispose of in compliance with all federal state and local laws and regulations

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection: None required
Ventilation: Normal ventilation
Protective Gloves(Specify Type): None required
Eye Protection(Specify Type): None required
Other Protective Equipment: See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing: Wash hands thoroughly with soap and water after handling
Other Precautions: Keep out of reach of children.

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Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

NABC DEODORIZING URINAL  
SCREENS

Effective Date: 06/08/2011

Supersedes: 03/25/2011

Ref: 29 CFR 1910.1200 (OSHA)

Changes: General Review

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# Spartan Chemical Company, Inc.

## Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

**NABC URINAL SCREENS WITH DEODORIZER BLOCK & BLUE  
DYE INDICATOR**

Product Number: 8001

Product Division:

Janitorial

Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990

Medical Emergency: 1-(888)-314-6171 (24 hours)

Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Non-Hazardous Products

NFPA Ratings:	HMIS Ratings:
Health: 0 - Minimal Fire: 0 - Minimal Reactivity: 0 - Minimal	Health: 0 - Minimal Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: N/A

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Sodium sulfate	45-55	7757-82-6	Not Established	Not Established	Not Established	No
Propylene glycol	25-35	57-55-6	Not Established	Not Established	Not Established	No
Sodium dodecyl benzene sulfonate	10-15	25155-30-0	Not Established	Not Established	Not Established	No
Sodium tallowate	05-10	8052-48-0	Not Established	Not Established	Not Established	No
Acid Blue 9, disodium salt	01-05	3844-45-9	Not Established	Not Established	Not Established	No
Fragrance	01-05	Proprietary	Not Established	Not Established	Not Established	No

### SECTION III: PHYSICAL DATA

Boiling Point: N/A	Vapor Pressure: N/A
Vapor Density (AIR = 1): N/A	Solubility in Water: Soluble
pH: N/A	Specific Gravity (H <sub>2</sub> O=1): 1.20
Evaporation Rate (but. ace.=1): N/A	Percent Solid by Weight: 100
Physical State: Solid	
Appearance & Odor: Solid blue block, fresh fragrance	

### SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: Estimate
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Skin Contact
Effects of Overexposure- Conditions to Avoid:	Minor skin irritant. May irritate eyes. If swallowed may cause nausea, abdominal pain, diarrhea, vomiting. Avoid contact with eyes and prolonged contact with skin. Do not swallow. Wash thoroughly after handling.		
Conditions Aggravated by Use:	Unknown		
<b>Emergency &amp; First Aid Procedures :</b>			
Eyes:	Flush thoroughly with water for 15 minutes. Remove contact lenses. If irritation persists; call a physician.		
Skin:	Wash thoroughly with water.		
Ingestion:	If ingested; do NOT induce vomiting. Call a physician.		

**SECTION VI: REACTIVITY DATA**

Stability:	Stable	Incompatible Materials:	Unknown
Hazardous Decomposition Products:	Unknown	Hazardous Polymerization:	Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Product consists of solid units. Collect for reprocessing or disposal.
Waste Disposal Method:	Dispose of in compliance with all federal state and local laws and regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	None required
Ventilation:	Normal ventilation
Protective Gloves(Specify Type):	None required
Eye Protection(Specify Type):	None required
Other Protective Equipment:	See 29 CFR 1910.132-138 for further guidance.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Store in a cool place. Wash hands thoroughly with soap and water after handling.
Other Precautions:	Keep out of reach of children

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Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

NABC URINAL SCREENS WITH  
DEODORIZER BLOCK & BLUE DYE  
INDICATOR

Effective Date: 06/08/2011

Supercedes: 05/15/2008

Ref: 29 CFR 1910.1200 (OSHA)

Changes: General Review

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