



Date Issued: 1/4/2011
Supersedes Date: 1/4/2011

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Cat#: SPS-GSI(1)
Part Name: Safranin
Supplier: Triangle Biomedical Sciences, Inc. (TBS)
3014 Croasdaile Drive
Durham, NC 27705
Phone: 919-384-9393

Emergency Notification: ChemTel Inc. 1-888-255-3924 International +01-813-248-0585

Section 2: Composition/ Information on Ingredients

Item#	Name	CAS#	% in product
1	2-Propanol	000067630	0.1
2	Ethyl alcohol	000064175	18
3	Methanol	000067561	0.1
4	Phenazinium, 3,7-diamino-2,8-dimethyl-5-phenyl-, chloride	000477736	0.4
5	Water	007732185	79.6

OSHA (ACGIH) Exposure Limits

CAS#	Name	IDLH	TWA		CEILING		
			ppm	mg/m ³	ppm	mg/m ³	
000064175	OSHA	--	Not classifi	--	--	--	--
	ACGIH		1000	1884	--	--	--
000067561	OSHA	6,000	ACGIH;CA	260	--	--	--
	ACGIH		200	262	250	0	25
000067630	OSHA	2,000	CANADA	980	--	--	--
	ACGIH		400	983	500	--	--
000477736	OSHA	NE	NE	NE	NE	NE	NE
	ACGIH		NE	NE	NE	NE	NE
007732185	OSHA	NE	NE	NE	NE	NE	NE
	ACGIH		NE	NE	NE	NE	NE

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Section 3: Hazards Identification

Flammable liquid and vapor.

Harmful if inhaled.

Harmful if swallowed.

Hazard Ratings:

These ratings are TBS' own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
2	2	0

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

If swallowed, wash out mouth with water if person is conscious.

Remove to fresh air.

Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: 87 F

UEL: 19%

LEL: 3%

Method: TCC

Autoignition temperature, deg. F.: no data

Flammability Classification: no data

Flame Propagation Rate: no data Hazardous

Combustion Products: no data

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorb liquids on absorbent material.

Contain spilled liquids.

Protect personnel from exposure.

Remove ignition sources.

Use appropriate personal protective equipment.

Section 7: Handling and Storage

Keep away from heat, sparks, and flame.

Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Section 9: Physical and Chemical Properties

Formula:	mixture	vapor pressure:	no data
Formula Weight:	mixture	vapor density:	1.5
boiling point:	87 C	Specific gravity:	0.98
melting point:	no data	ph:	no data
solubility:	insoluble	appearance:	red liquid

Section 10: Stability and Reactivity

Chemical Stability stable

Conditions to Avoid: heat, flame

Incompatibility with other materials: oxidizers

Hazardous Decomposition Products: no data

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: no data

Subchronic data: no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
000064175	not listed	not listed
000067561	U154	Methyl alcohol
000067630	not listed	not listed
000477736	not listed	not listed
007732185	not listed	not listed

Section 14: Transportation Data

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
000064175	no	no
000067561	Yes	no
000067630	no	no
000477736	no	no
007732185	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	FL	MA	MN	PA	WA	WA
000064175	FL	MA	MN	PA	WA	
000067561	FL	MA	MN	NJ	PA	WA
000067630	FL	MA	MN	NJ	PA	WA
000477736	not listed					
007732185	not listed					

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
000064175	not listed	not listed	not listed
000067561	Methanol	1.0	not listed
000067630	Isopropyl alcohol (manufacturing-strong acid process, no sup	1.0	not listed
000477736	not listed	not listed	not listed
007732185	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated name	TPQ (pounds)	EHS-
000064175	not listed	not listed	not listed
000067561	not listed	not listed	not listed
000067630	not listed	not listed	not listed
000477736	not listed	not listed	not listed
007732185	not listed	not listed	not listed

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ (pounds)
000064175	Not listed	Not listed
000067561	Not listed	Not listed
000067630	Not listed	Not listed
000477736	Not listed	Not listed
007732185	Not listed	Not listed

Section 16: Other Information

TRIANGLE BIOMEDICAL SCIENCES (TBS) provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. TBS makes no representation or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, TBS will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required



Date Issued: 1/4/2011
 Supersedes Date: 1/4/2011

MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Cat#: SPS-GSI(3)
 Part Name: Gram's Iodine
 Supplier: Triangle Biomedical Sciences, Inc. (TBS)
 3014 Croasdaile Drive
 Durham, NC 27705
 Phone: 919-384-9393

Emergency Notification: ChemTel Inc. 1-888-255-3924 International +01-813-248-0585

Section 2: Composition/ Information on Ingredients

Item#	Name	CAS#	% in product
1	Iodine	007553562	1
2	Potassium iodide	007681110	1
3	Water	007732185	98

OSHA (ACGIH) Exposure Limits

CAS#	Name	IDLH	TWA		STEL		CEILING	
			ppm	mg/	ppm	mg/m ³	ppm	mg/m ³
007553562	Iodine	2	Not classified	--	--	--	0.1	1
	OSHA						0.1	1
	ACGIH							
007681110	Potassium iodide	NE	NE	NE	NE	NE	NE	NE
	OSHA							
	ACGIH							
007732185	Water	NE	NE	NE	NE	NE	NE	NE
	OSHA							
	ACGIH							

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Section 3: Hazards Identification

Low hazard for usual industrial or commercial handling.

May cause skin and eye irritation.

Hazard Ratings:

These ratings are TBS' Inc. own assessments of the properties of the material using the ANSI/NFPA 704 Standard.

Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
1	0	0

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

If swallowed, wash out mouth with water if person is conscious.

Remove to fresh air.

Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: no data Method: no data

UEL: no data LEL: no data Autoignition temperature, deg. F.: no data

Flammability Classification: no data Flame Propagation Rate: no data

Hazardous Combustion Products: no data

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorb liquids on absorbent material.

Contain spilled liquids.

Protect personnel from exposure.

Use appropriate personal protective equipment.

Section 7: Handling and Storage

Store at room temp

Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Section 9: Physical and Chemical Properties

Formula:	mixture	vapor pressure:	18 mm Hg
Formula Weight:	mixture	vapor density:	0.6
boiling point:	100 C	Specific gravity:	1.01
melting point:	no data	ph:	no data
solubility:	complete	appearance:	purple solution

Section 10: Stability and Reactivity

Chemical Stability stable

Conditions to Avoid: heat, light

Incompatibility with other materials: strong oxidizers

Hazardous Decomposition Products: oxides of carbon

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: no data

Subchronic data: no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
007553562	not listed	not listed
007681110	not listed	not listed
007732185	not listed	not listed

Section 14: Transportation Data

Refer to bill of lading or container label for DOT or other transportation hazard classification , if any.

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
------	----------	----------

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

007553562	no	no
007681110	no	no
007732185	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#

007553562	FL	MA	MN	WA
007681110	not listed			
007732185	not listed			

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
007553562	not listed	not listed	not listed
007681110	not listed	not listed	not listed
007732185	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated name	TPQ (pounds)	EHS-
007553562	not listed	not listed	not listed
007681110	not listed	not listed	not listed
007732185	not listed	not listed	not listed

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ (pounds)
007553562	Not listed	Not listed
007681110	Not listed	Not listed
007732185	Not listed	Not listed

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Section 16: Other Information

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END OF MSDS

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required



Date Issued: 1/4/2011
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MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Cat#: SPS-GSI(2)
Part Name: Gram's Decolorizer (75/25)
Supplier: Triangle Biomedical Sciences, Inc. (TBS)
3014 Croasdaile Drive
Durham, NC 27705
Phone: 919-384-9393

Emergency Notification: ChemTel Inc. 1-888-255-3924 International +01-813-248-0585

Section 2: Composition/ Information on Ingredients

Item#	Name	CAS#	% in product
1	2-Propanol	000067630	3.6
2	Acetone	000067641	25
3	Ethyl alcohol	000064175	64
4	Methanol	000067561	3.6

OSHA (ACGIH) Exposure Limits

CAS#	IDLH	TWA		CEILING	
		ppm	mg/m ³	ppm	mg/m ³
000064175	--	Not classifi	--	--	--
OSHA		1000	1884	--	--
ACGIH				--	--
000067561	6,000	ACGIH;CA	260	0	25
OSHA		200	262	250	--
ACGIH				--	--
000067630	2,000	CANADA	980	0	50
OSHA		400	983	500	--
ACGIH				--	--
000067641	2,500	Not classifi	2400	--	--
OSHA		500	1188	750	--
ACGIH				--	--

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Section 3: Hazards Identification

Flammable liquid and vapor.

Harmful if swallowed.

Hazard Ratings:

These ratings are TBS' Inc. own assessments of the properties of the material using the ANSI/NFPA 704 Standard.

Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
1	3	1

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

If swallowed, wash out mouth with water if person is conscious.

Remove to fresh air.

Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: 75 F

Method: TCC

UEL: 19% LEL: 3%

Autoignition temperature, deg. F.: no data

Flammability Classification: no data

Flame Propagation Rate: no data

Hazardous Combustion Products: no data

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorb liquids on absorbent material.

Contain spilled liquids.

Protect personnel from exposure.

Remove ignition sources.

Use appropriate personal protective equipment.

Section 7: Handling and Storage

Keep away from heat, sparks, and flame.

Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Section 9: Physical and Chemical Properties

Formula:	mixture	vapor pressure:	213 mm Hg
Formula Weight:	mixture	vapor density:	2
boiling point:	63 C	Specific gravity:	0.8
melting point:	no data	ph:	no data
solubility:	complete	appearance:	clear solution

Section 10: Stability and Reactivity

Chemical Stability stable

Conditions to Avoid: heat, spark, flames

Incompatibility with other materials: strong oxidizers

Hazardous Decomposition Products: oxides of carbon

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: no data

Subchronic data: no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
000064175	not listed	not listed
000067561	U154	Methyl alcohol
000067630	not listed	not listed
000067641	U002	Acetone

Section 14: Transportation Data

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

Section 15: Regulatory Information

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
------	----------	----------

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

000064175	no	no
000067561	Yes	no
000067630	no	no
000067641	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#

000064175	FL	MA	MN	PA	WA	
000067561	FL	MA	MN	NJ	PA	WA
000067630	FL	MA	MN	NJ	PA	WA
000067641	FL	MA	MN	PA	WA	

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
000064175	not listed	not listed	not listed
000067561	Methanol	1.0	not listed
000067630	Isopropyl alcohol (manufacturing-strong acid process, no sup	1.0	
not listed			
000067641	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated name	TPQ (pounds)	EHS-
RQ(pounds)			
000064175	not listed	not listed	not listed
000067561	not listed	not listed	not listed
000067630	not listed	not listed	not listed
000067641	not listed	not listed	not listed

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ (pounds)
000064175	Not listed	Not listed
000067561	Not listed	Not listed
000067630	Not listed	Not listed
000067641	Not listed	Not listed

Section 16: Other Information

TRIANGLE BIOMEDICAL SCIENCES (TBS) provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. TBS makes no representation or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, TBS will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required



Date Issued: 1/4/2011
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MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

Cat#: SPS-GSI(4)
Part Name: CRYSTAL VIOLET
Supplier: Triangle Biomedical Sciences, Inc. (TBS)
3014 Croasdaile Drive
Durham, NC 27705
Phone: 919-384-9393

Emergency Notification: ChemTel Inc. 1-888-255-3924 International +01-813-248-0585

Section 2: Composition/ Information on Ingredients

Item#	CAS#	% in product
1 Crystal violet	000548629	1
2 Water	007732185	100

OSHA (ACGIH) Exposure Limits

	TWA	STEL		CEILING	
		ppm	mg/	ppm	mg/m3
CAS#: 000548629	IDLH: NE				
OSHA		NE	NE	NE	NE
ACGIH		NE	NE	NE	NE
CAS#: 007732185	IDLH: NE				
OSHA		NE	NE	NE	NE
ACGIH		NE	NE	NE	NE

Section 3: Hazards Identification

Low hazard for usual industrial or commercial handling.

May cause skin and eye irritation.

Hazard Ratings:

These ratings are TBS' own assessments of the properties of the material using the ANSI/NFPA 704 Standard.

Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49).

If no data is listed the information is not available.

Health	Flammability	Reactivity
1	0	0

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Section 4: First Aid Measures

Flush eyes with flowing water for at least 15 minutes.

If breathing is difficult, contact emergency personnel.

If swallowed, wash out mouth with water if person is conscious.

Remove to fresh air.

Wash skin with deluge of water for at least 15 minutes.

Section 5: Fire Fighting Measures

Flash point, deg F.: no data Method: no data

UEL: no data LEL: no data Autoignition temperature, deg. F.: no data

Flammability Classification: no data Flame Propagation Rate: no data

Hazardous Combustion Products: no data

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Absorb liquids on absorbent material.

Contain spilled liquids.

Protect personnel from exposure.

Use appropriate personal protective equipment.

Section 7: Handling and Storage

Store at room temp

Section 8: Exposure Controls/ Personal Protection

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Use chemical splash goggles and face shield.

Use latex or equivalent gloves.

Section 9: Physical and Chemical Properties

Formula: mixture vapor pressure: 18 mm Hg

Formula Weight: mixture vapor density: 0.6

boiling point: 100 C Specific gravity: 1.01

melting point: no data ph: no data

solubility: complete appearance: purple solution

Section 10: Stability and Reactivity

Chemical Stability stable

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

Conditions to Avoid: heat, light

Incompatibility with other materials: strong oxidizers

Hazardous Decomposition Products: oxides of carbon

Hazardous Polymerization: will not occur

Section 11: Toxicological Information

Acute Data: no data

Subchronic data: no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number the substance may be subject to special federal and state disposal regulations. If no codes are listed the material must be disposed in compliance with all Federal, State and Local Regulations.

CAS#	Waste Code	Regulated Name
000548629	not listed	not listed
007732185	not listed	not listed

Section 14: Transportation Data

Refer to bill of lading or container label for DOT or other transportation hazard classification , if any.

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

Prop 65 - Column A identifies those items which are known to the State of California to cause cancer. Column B identified items which are known to the State of California to cause reproductive toxicity.

CAS#	Column A	Column B
000548629	no	no
007732185	no	no

State Regulatory Information :If a CAS# is listed below this material is subject to the listed state right-to-know requirements.

CAS#	
000548629	not listed
007732185	not listed

SARA Toxic Release Chemicals(as defined in Section 313 of SARA Title III)

This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). The list is also referred to as the Toxics Release Inventory (TRI) List.

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required

CAS#	Regulated name	de minimis conc. %	Rep. Thres.
000548629	not listed	not listed	not listed
007732185	not listed	not listed	not listed

SARA Extremely Hazardous Substances and TPQs

This list includes hazardous chemicals as defined in 29 CFR 1910.1200(c); and extremely hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

CAS#	Regulated name	TPQ (pounds)	EHS-
000548629	not listed	not listed	not listed
007732185	not listed	not listed	not listed

CERCLA

The hazardous substances, and their reportable quantities (RQs) are listed in the federal regulations at 40 CFR Part 302, Table 302.4. Release of a CERCLA hazardous substance in an amount equal to or greater than its RQ, in any 24-hour period, must be reported to the National Response Center at (800) 424-8802.

CAS#	Regulated name	RQ (pounds)
000548629	Not listed	Not listed
007732185	Not listed	Not listed

Section 16: Other Information

TRIANGLE BIOMEDICAL SCIENCES (TBS) provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. TBS makes no representation or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, TBS will not be responsible for damages resulting from the use of or reliance upon this information.

END OF MSDS

NA = not applicable

NL = not listed

NE = not established

NNR = not normally required