

**Part Number: 8010, 8031, 8030**

**Agri-Screen Aflatoxin Screening Test, Veratox<sup>®</sup> HS Aflatoxin High Sensitivity Test, Veratox<sup>®</sup> for Aflatoxin**

This is a test kit that is comprised of several individual components, each of which may have its own Safety Data Sheet. If a component does not have a Safety Data Sheet included here the item falls under Hazard Communication [1910.1200(b)(6)], *Articles*, and does not require a Safety Data Sheet.

For any questions please contact Neogen Corporation.

The following Safety Data Sheets are included in this file:

Aflatoxin controls – 0, 1, 2, 4, 5, 8, 10, 15, 20, 50 ppb

Aflatoxin HRP Conjugate solution

K-Blue<sup>®</sup> Advanced TMB Substrate     **Substrate change starting from Lot Nos.: 8010-266574**

Red Stop Solution     **8030-266282**

**SECTION 1 Identification of the substance/mixture and of the company**

## 1.1 Product identifier

- Product Name: **Aflatoxin Controls – 0, 1, 2, 4, 5, 8, 10, 15, 20, 50 ppb**
- Product Part Number: **Used in Various kits**

## 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/preparation: For use with Veratox and Agri-screenkits
- Use advised against: No information available

## 1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place  
Lansing, Michigan 48912  
USA
- Telephone: 517/372-9200
- Email: Foodsafety@neogen.com

## 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: 1 (800) 424-9300  
Outside USA and Canada: +1 (703) 527-3887

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**SECTION 2 Hazards identification**

## 2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Flammable liquids, Cat. 2, H225, Specific target organ toxicity (single exposure), Cat. 1, H370

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]

- Flam Liq, 2, H225, STOT-SE 1, H370

Classification (WHMIS 2015 HPR)

- Flammable liquids, Cat. 2, H225, Specific target organ toxicity (single exposure), Cat. 1, H370

Additional information: For full text of Hazard-statements see Section 16.

## 2.2 Label elements



GHS02



GHS08

- Signal Word: Danger
- Symbols: GHS02, GHS08
- Hazard phrases
  - Highly flammable liquid and vapor.
  - Causes damage to organs.
- Precautionary Phrases
  - Keep away from heat/sparks/open flame/hot surfaces. – No smoking.
  - Keep container tightly closed.
  - Ground/bond container and receiving equipment.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Use only non-sparking tools.
  - Take precautionary measures against static discharge.
  - Do not breathe fume/gas/mist/vapors/spray.
  - Wash hands thoroughly after handling.
  - Do not eat, drink or smoke while using this product.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
  - In case of fire: Use water spray, foam, carbon dioxide or dry agent for extinction.
  - Store in a well ventilated place. Keep cool.
  - If exposed or if you feel unwell: call a POISON Center or doctor/physician.
  - Store locked up.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3 Composition/information on ingredients

### 3.1 Substances

### 3.2 Mixtures

This product is a mixture of the substances listed below with the addition of non-hazardous materials

Chemical	Concentration	CAS No.	EC No.	H-Statements	Symbols
Methanol	70%	67-56-1	200-659-6	H225, H370	GHS02, GHS08

For full text of Hazard-statements see Section 16.

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## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- General  
In case of doubt, or when symptoms persist, seek medical attention.
- Contact with skin  
Remove contaminated clothing.  
Wash affected area with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Contaminated clothing should be laundered before reuse.
- Contact with eyes  
If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes.  
Irrigate eyes thoroughly while lifting eyelids.  
Seek medical advice if necessary.
- Ingestion  
Rinse mouth with water (do not swallow).  
Never make an unconscious person vomit or drink fluids.  
If medical advice is needed, have product container or label at hand.
- Inhalation  
If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

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## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire: use water spray, foam, carbon dioxide or dry agent for extinction.

### 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- See Section 10.

### 5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water.
- Wear chemical protection suit and positive-pressure breathing apparatus, if necessary.
- Wear protective clothing as per Section 8.

### 5.4 Hazardous Combustion Products

- May include carbon oxides.

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## SECTION 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Shut off all ignition sources.
- Use non-sparking hand tools.
- Spills should be cleaned up immediately to avoid slip and fall accidents and injuries.
- Wear protective clothing as per Section 8.
- Evacuate personnel not directly involved in spill clean-up.

## SECTION 6 Accidental release measures

- Shut off source of leak/release, if safe to do so.
- Shut down and/or remove equipment in spill area, if safe to do so.
- Wash thoroughly after dealing with spillage.

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses.
- Avoid releasing to the environment.

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up.
- Dike large spills as necessary.
- Place in sealable containers and label them.
- Ventilate the area and wash spill site after material pick-up is complete.
- Dispose of contaminated materials and wastes in accordance with local/national/international regulations.

### 6.4 Reference to other sections

- See Section 7 for storage. For disposal, see Section 13.

## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Do not breathe mist/vapors/fumes/spray.
- Avoid contact with skin and eyes.
- Do not eat, drink, smoke, or apply cosmetics when using this product.
- Ensure adequate ventilation.
- Eyewash bottles should be available.
- Wash hands thoroughly after using this substance.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store at temperatures not exceeding 8°C/46°F. Keep cool.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

### 7.3 Specific end use(s)

- For use with Veratox and Agri-screen kits

## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
Methanol	67-56-1	TWA	200 ppm, 260 mg/m <sup>3</sup>	USA-OSHA Table Z-1 Limits for Air Contaminants - 1910.1000
		TWA	200 ppm, 260 mg/m <sup>3</sup>	USA-NIOSH Recommended Exposure Limits
		STEL	250 ppm, 325 mg/m <sup>3</sup> (skin)	USA-NIOSH Recommended Exposure Limits
		TWA	200 ppm (skin)	USA-ACGIH Threshold Limit Values (TLV)
		STEL	250 ppm (skin)	USA-ACGIH Threshold Limit Values (TLV)
		WEL (long term)	200 ppm/266 mg/m <sup>3</sup> (skin)	EU-EH40/2005 Workplace Exposure Limits (WEL)
		WEL (short term)	250 ppm/333 mg/m <sup>3</sup> (skin)	EU-EH40/2005 Workplace Exposure Limits (WEL)

### 8.2 Exposure controls

- Eyewash bottles should be available.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved respiratory protection with an organic vapor cartridge.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

## SECTION 8 Exposure controls/personal protection (continued)

- Wear safety glasses approved to standard for ANSI Z87 or EN 166 or chemical splash goggles.
- Wear suitable protective clothing in accordance with good chemical hygiene practices.



Gloves



Safety  
Glasses



Lab Coat

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## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Clear, light yellow liquid
- Odor: Characteristic
- pH: No information available
- Melting Point/Range: Not applicable
- Boiling Point/Range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Viscosity: No information available
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: Product is not classified as an oxidizer

### 9.2 Other information

- No information available

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## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- No information available

### 10.2 Chemical stability

- Considered stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

- Keep away from heat and sources of ignition.

### 10.5 Incompatible materials

- None known

### 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides.

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## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- No experimental test data available for the mixture
- ATE<sub>mix</sub> = 8,333 mg/kg (oral)
- Contact with skin
  - May cause redness and irritation in sensitive individuals.
  - Can be absorbed through the skin.
  - Based on available data, classification criteria are not met.

## SECTION 11 Toxicological information (continued)

- Contact with eyes  
May cause redness and irritation in sensitive individuals.  
Based on available data, classification criteria are not met.
- Ingestion  
Causes damage to organs (specific target organ toxicity, single exposure): heart, liver, kidney, eyes (optic nerve), and central nervous system.  
May cause gastrointestinal symptoms if swallowed.
- Inhalation  
May cause damage to organs through prolonged or repeated exposure by inhalation.
- Carcinogenicity  
Not listed in the National Toxicology Program (NTP) 13<sup>th</sup> Report on Carcinogens.  
Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.  
Not listed in OSHA standard 1910.1003 Carcinogens.
- Mutagenicity  
No evidence of mutagenic effects.
- Teratogenicity  
Ingestion and prolonged/repeated inhalation of alcohols and alcohol vapors may damage the unborn child.

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## SECTION 12 Ecological information

### 12.1 Toxicity

#### **Methanol**

##### Toxicity to fish

LC<sub>50</sub> – Pimephales promelas (Fathead minnow) > 10000 mg/L-96h

##### Toxicity to daphnia and other aquatic invertebrates

EC<sub>50</sub> – Daphnia magna (Water flea) > 10000 mg/L-24h

### 12.2 Persistence and degradability

- No information available

### 12.3 Bioaccumulation Potential

- No information available

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- PBT/vPvB assessment not available

### 12.6 Other Adverse Effects

- To the best of our knowledge, the properties of this material have not been fully evaluated.
- On available data, substance is not harmful to the environment.

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## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, regional, national, and/or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty containers.

### 13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

**SECTION 14 Transport information**

## 14.1 UN Number

1987

## 14.2 UN Proper Shipping Name

- Alcohols, n.o.s. (Methanol solution)

## 14.3 Transport hazard class(es)

- 3

## 14.4 Packing group

- II

## 14.5 Environmental hazards

- Not classified

## 14.6 Special instructions for user

- 1.5 mL vials ship under Excepted Quantity exemption or as part of a Chemical Kit (UN3316)

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not classified

## 14.8 Domestic Surface Transport (US DOT)

- Proper Shipping Name: Alcohols, n.o.s. (Methanol solution)

- DOT UN No.: 1987

- DOT Hazard Class: 3

- DOT Packing Group: II

- Other: 1.5 mL vials ship under Excepted Quantity exemption

## 14.9 International Road/Rail (ADR/RID)

- Proper Shipping Name: Alcohols, n.o.s. (Methanol solution)

- ADR UN No.: 1987

- ADR Hazard Class: 3

- ADR Packing Group: II

- Tunnel Code: 2 (D/E)

## 14.10 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Alcohols, n.o.s. (Methanol solution)

- IMDG UN No.: 1987

- IMDG Hazard Class: 3

- IMDG Packing Group: II

## 14.11 Air (ICAO/IATA)

- Proper Shipping Name: Alcohols, n.o.s. (Methanol solution)

- ICAO UN No.: 1987

- ICAO Hazard Class: 3

- ICAO Packing Group: II

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**SECTION 15 Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

## 15.2 Chemical Safety Assessment

- No information available

## 15.3 United States Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## SECTION 15 Regulatory information (continued)

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313: Methanol, CAS No. 67-56-1

SARA 311/312

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

State Right-to-Know

Massachusetts

Methanol, CAS No. 67-56-1

New Jersey

Methanol, CAS No. 67-56-1

Pennsylvania

Methanol, CAS No. 67-56-1

California Prop 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: Methanol, CAS No. 67-56-1

## 15.4 Canadian Regulatory Information

- Inventory Status	
Domestic Substances List (DSL)	Listed
Non-Domestic Substances List (NDSL)	Not listed

## SECTION 16 Other information

SDS 70% Methanol Control: *Not labeled for individual sale.*

Date of Preparation: June 2016

Revision: Rev. 0

Replaces: New issue

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H225: Highly flammable liquid and vapor. H370: Causes damage to organs.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.



## SECTION 1 Identification of the substance/mixture and of the company

### 1.1 Product identifier

- Product Name: **Aflatoxin-HRP Conjugate**
- Product Part Number(s): **Used in various kits**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/preparation: For use with Agri-Screen and Veratox Aflatoxin ELISA kits.
- Use advised against: Do not use beyond expiration date. Container not labeled for individual sale.

### 1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place  
Lansing, Michigan 48912  
USA
- Telephone: 517/372-9200
- Email: Foodsafety@neogen.com

### 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: 1 (800) 424-9300  
Outside USA and Canada: +1 (703) 527-3887

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## SECTION 2 Hazards identification

### 2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Sensitization, respiratory, Cat. 1, H334, Sensitization, skin, Cat. 1, H317

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]

- Resp sens. 1, H334, Skin sens. 1, H317

Classification (WHMIS 2015 HPR)

- Sensitization, respiratory, Cat. 1, H334, Sensitization, skin, Cat. 1, H317

Additional information: For full text of Hazard-statements see Section 16.

### 2.2 Label elements



GHS08

- Signal Word: Danger
- Symbols: GHS08
- Hazard phrases
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - May cause an allergic skin reaction.
- Precautionary Phrases
  - Avoid breathing mist/vapors/fumes/spray.
  - In case of inadequate ventilation, wear respiratory protection.
  - Contaminated work clothing must not be allowed out of the workplace.
  - Wear protective gloves.
  - IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
  - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
  - IF ON SKIN: Wash with plenty of soap and water.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Wash contaminated clothing before reuse.
  - Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

- May be mildly irritating to eyes.
- May cause nausea or other gastrointestinal symptoms if swallowed.

## SECTION 3 Composition/information on ingredients

### 3.1 Substances

### 3.2 Mixtures

Chemical	Concentration	CAS No.	EC No.	H-Statements	Symbols
ProClin 150	<1%	mixture	mixture	H317, H334	GHS08

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

- For full text of Hazard-statements see Section 16.

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## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- General
  - In case of doubt, or when symptoms persist, seek medical attention.
  - If used as directed, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.
- Contact with skin
  - May cause an allergic skin reaction.
  - Remove contaminated clothing.
  - Wash affected area with plenty of soap and water.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Contaminated work clothing must not be allowed to leave the workplace and should be laundered before reuse.
- Contact with eyes
  - If substance has gotten into eyes, rinse with plenty of water for at least 15 minutes.
  - Irrigate eyes thoroughly while lifting eyelids.
  - Seek medical advice if necessary.
- Ingestion
  - May cause nausea or other gastrointestinal symptoms if swallowed.
  - Rinse mouth with water (do not swallow).
  - Never make an unconscious person vomit or drink fluids.
  - If medical advice is needed, have product container or label at hand.
- Inhalation
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
  - Call a POISON CENTER or doctor/physician if you are experiencing respiratory symptoms.

### 4.2 Most important symptoms and effects, both acute and delayed

- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

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## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire: use water spray, foam, carbon dioxide or dry agent for extinction.

### 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- See Section 10.

### 5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water.
- Wear chemical protection suit and positive-pressure breathing apparatus, if necessary.
- Wear protective clothing as per Section 8.

### 5.4 Hazardous Combustion Products

- None known

## SECTION 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Spills should be cleaned up immediately to avoid slip and fall accidents and injuries.
- Wear protective clothing as per Section 8.
- Evacuate personnel not directly involved in spill clean-up.
- Shut off source of leak/release, if safe to do so.
- Shut down and/or remove equipment in spill area, if safe to do so.
- Wash thoroughly after dealing with spillage.

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses.
- Avoid releasing to the environment.

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up.
- Dike large spills as necessary.
- Place in sealable containers and label them.
- Ventilate the area and wash spill site after material pick-up is complete.
- Dispose of contaminated materials and wastes in accordance with local/national/international regulations.

### 6.4 Reference to other sections

- See Section 7 for storage. For disposal, see Section 13.

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## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Do not breathe mist/vapors/fumes/spray.
- Avoid contact with skin and eyes.
- Do not eat, drink, smoke, or apply cosmetics when using this product.
- Ensure adequate ventilation.
- Eyewash bottles should be available.
- Wash hands thoroughly after using this substance.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store refrigerated at temperatures between 2-8°C (35-46°F). Do not freeze.
- Do not use kit components beyond expiration date.
- Do not mix kit reagents from one kit serial with reagents from a different kit serial.

### 7.3 Specific end use(s)

- For use with Agri-Screen and Veratox Aflatoxin ELISA kits.

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## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- There are no recommended or established controls for this product.

### 8.2 Exposure controls

- Eyewash bottles should be available.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved respiratory protection with an organic vapor cartridge.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166 or chemical splash goggles.
- Wear suitable protective clothing in accordance with good chemical hygiene practices.



Gloves

Safety  
Glasses

Lab Coat

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Clear, light yellow liquid
- Odor: Slight to no odor
- pH: No information available
- Melting Point/Range: Not applicable
- Boiling Point/Range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: Soluble
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Viscosity: No information available
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: Product is not classified as an oxidizer

### 9.2 Other information

- No information available

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## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- No information available

### 10.2 Chemical stability

- Considered stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

- Keep away from heat and sources of ignition.

### 10.5 Incompatible materials

- None known

### 10.6 Hazardous Decomposition Products

- None known

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## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- No experimental test data available for the mixture
- ATE<sub>mix</sub> = 18,519 mg/kg (oral)
- Contact with skin  
May cause an allergic skin reaction.
- Contact with eyes  
May cause redness and irritation in sensitive individuals.  
Based on available data, the classification criteria are not met.
- Ingestion  
May cause nausea or other gastrointestinal symptoms if swallowed.  
Based on available data, the classification criteria are not met, however, get medical advice/attention if exposed or concerned.
- Inhalation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Carcinogenicity  
Not listed in the National Toxicology Program (NTP) 13<sup>th</sup> Report on Carcinogens.  
Listed as Group 3, Not classifiable as to its carcinogenicity to humans, in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112: Polyvinyl alcohol, CAS No. 9002-89-5.  
Not listed in OSHA standard 1910.1003 Carcinogens.

**SECTION 11 Toxicological information (continued)**

- Mutagenicity  
No evidence of mutagenic effects.
  - Teratogenicity  
No evidence of teratogenic effects.
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**SECTION 12 Ecological information**

## 12.1 Toxicity

- This product is not classified as hazardous to the environment under U.S. regulations.

## 12.2 Persistence and degradability

- No information available

## 12.3 Bioaccumulation Potential

- No information available

## 12.4 Mobility in soil

- No information available

## 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- PBT/vPvB assessment not available

## 12.6 Other Adverse Effects

- To the best of our knowledge, the properties of this material have not been fully evaluated.
  - On available data, substance is not harmful to the environment.
- 

**SECTION 13 Disposal considerations**

## 13.1 Waste treatment methods

- Disposal should be in accordance with local, regional, national, and/or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty containers.

## 13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
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**SECTION 14 Transport information**

## 14.1 UN Number

Not classified as hazardous for transport

## 14.2 UN Proper Shipping Name

- Not applicable

## 14.3 Transport hazard class(es)

- Not applicable

## 14.4 Packing group

- Not applicable

## 14.5 Environmental hazards

- Not classified

## 14.6 Special precautions for user

- Not classified

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not classified

## 14.8 Domestic Surface Transport (US DOT)

- Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable
- DOT Packing Group: Not applicable

**SECTION 14 Transport information (continued)**

## 14.9 International Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

## 14.10 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable

## 14.11 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

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**SECTION 15 Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

## 15.2 Chemical Safety Assessment

- No information available

## 15.3 United States Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

## 15.4 Canadian Regulatory Information

- Inventory Status
  - Domestic Substances List (DSL) Listed
  - Non-Domestic Substances List (NDSL) Not listed

## SECTION 16 Other information

SDS Aflatoxin-HRP Conjugate: *Container not labeled for individual sale.*

Date of Preparation: June 2016

Revision: Rev. 0

Replaces: New issue

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H317: May cause an allergic skin reaction. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.

## SECTION 1 Identification of the substance/mixture and of the company

### 1.1 Product identifier

- Product Name: **Red Stop**
- Product Part Number: **301210, Used in various kits, not sold individually**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/preparation: For use with ELISA kits
- Use advised against: No information available

### 1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place  
Lansing, Michigan 48912  
USA
- Telephone: 517/372-9200
- Email: [foodsafety@neogen.com](mailto:foodsafety@neogen.com)

### 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: 1 (800) 424-9300  
Outside USA and Canada: +1 (703) 527-3887

---

## SECTION 2 Hazards identification

### 2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Not classified as hazardous for supply

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]

- Not classified as hazardous for supply

Classification (WHMIS 2015 HPR)

- Not classified as hazardous for supply

Additional information: For full text of Hazard-statements see Section 16.

### 2.2 Label elements

- Signal Word: None
- Symbols: None
- Hazard phrases  
None
- Precautionary Phrases  
Keep container tightly closed.  
Do not breathe mist/vapors/fumes/spray.  
Avoid contact with eyes, skin, or clothing.

### 2.3 Other hazards

- May be mildly irritating to skin and eyes.
- May be mildly irritating to respiratory system.

---

## SECTION 3 Composition/information on ingredients

### 3.1 Substances

### 3.2 Mixtures

- This product does not contain any hazardous substances at the concentration limits given in Regulation (EC) No. 1272/2008, WHMIS 2015 Hazardous Products Regulations, and OSHA Hazard Communication Standard 29 CFR 1910.1200.

---

## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- General  
In case of doubt, or when symptoms persist, seek medical attention.  
In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.



## SECTION 4 First aid measures (continued)

- Contact with skin
  - Remove contaminated clothing.
  - Wash affected area with plenty of soap and water.
  - If skin irritation or rash occurs: Get medical advice/attention.
  - Contaminated clothing should be laundered before reuse.
- Contact with eyes
  - If substance has gotten into eyes, rinse with plenty of water for at least 15 minutes.
  - Irrigate eyes thoroughly while lifting eyelids.
  - Seek medical advice if necessary.
- Ingestion
  - Rinse mouth with water (do not swallow).
  - Never make an unconscious person vomit or drink fluids.
  - If medical advice is needed, have product container or label at hand.
- Inhalation
  - If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
  - Call a POISON CENTER or doctor/physician if you feel unwell.

### 4.2 Most important symptoms and effects, both acute and delayed

- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.

---

## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire: use water spray, foam, carbon dioxide or dry agent for extinction.

### 5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- See Section 10.

### 5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water.
- Wear chemical protection suit and positive-pressure breathing apparatus, if necessary.
- Wear protective clothing as per Section 8.

### 5.4 Hazardous Combustion Products

- May include carbon oxides.

---

## SECTION 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Spills should be cleaned up immediately to avoid slip and fall accidents and injuries.
- Wear protective clothing as per Section 8.
- Evacuate personnel not directly involved in spill clean-up.
- Shut off source of leak/release, if safe to do so.
- Shut down and/or remove equipment in spill area, if safe to do so.
- Wash thoroughly after dealing with spillage.

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses.
- Avoid releasing to the environment.

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up.
- Dike large spills as necessary.
- Place in sealable containers and label them.
- Ventilate the area and wash spill site after material pick-up is complete.
- Dispose of contaminated materials and wastes in accordance with local/national/international regulations.

### 6.4 Reference to other sections

- See Section 7 for storage. For disposal, see Section 13.

## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Do not breathe mist/vapors/fumes/spray.
- Avoid contact with skin and eyes.
- Do not eat, drink, smoke, or apply cosmetics when using this product.
- Ensure adequate ventilation.
- Eyewash bottles should be available.
- Wash hands thoroughly after using this substance.

### 7.2 Conditions for safe storage, including any incompatibilities

- Store at temperatures not exceeding 8°C/46°F. Keep cool.
- Store in a well-ventilated place. Keep container tightly closed.

### 7.3 Specific end use(s)

- For use with ELISA kits

---

## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

- This product contains no substances >1% with occupational exposure limit values.

### 8.2 Exposure controls

- Eyewash bottles should be available.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved respiratory protection with an organic vapor cartridge.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166 or chemical splash goggles.
- Wear suitable protective clothing in accordance with good chemical hygiene practices.



Gloves



Safety  
Glasses



Lab Coat

---

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Clear red liquid
- Odor: No information available
- pH: 8.7
- Melting Point/Range: Not applicable
- Boiling Point/Range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Viscosity: No information available
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: Product is not classified as an oxidizer

### 9.2 Other information

- No information available

---

## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- No information available

## SECTION 10 Stability and reactivity (continued)

### 10.2 Chemical stability

- Considered stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

- None known

### 10.5 Incompatible materials

- None known

### 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides.
- 

## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- No experimental test data available for the mixture
  - ATEmix = 12,195 mg/kg (oral)
  - Contact with skin
    - May cause redness and irritation in sensitive individuals.
    - Based on available data, the classification criteria are not met.
  - Contact with eyes
    - May cause redness and irritation in sensitive individuals.
    - Based on available data, the classification criteria are not met.
  - Ingestion
    - Product is not toxic, but may cause irritation of the throat and/or nausea in sensitive individuals.
    - Based on available data, the classification criteria are not met.
  - Inhalation
    - Not a likely route of exposure. May cause irritation in sensitive individuals if inhaled.
    - Based on available data, the classification criteria are not met.
  - Carcinogenicity
    - Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens.
    - Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.
    - Not listed in OSHA standard 1910.1003 Carcinogens.
  - Mutagenicity
    - No evidence of mutagenic effects.
  - Teratogenicity
    - No evidence of teratogenic effects.
- 

## SECTION 12 Ecological information

### 12.1 Toxicity

- This product is not classified as hazardous to the environment under U.S. regulations.

### 12.2 Persistence and degradability

- No information available

### 12.3 Bioaccumulation Potential

- No information available

### 12.4 Mobility in soil

- No information available

### 12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- PBT/vPvB assessment not available

### 12.6 Other Adverse Effects

- To the best of our knowledge, the properties of this material have not been fully evaluated.
  - On available data, substance is not harmful to the environment.
-

## SECTION 13 Disposal considerations

### 13.1 Waste treatment methods

- Disposal should be in accordance with local, regional, national, and/or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty containers.

### 13.2 Classification (REACH)

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

---

## SECTION 14 Transport information

### 14.1 UN Number

Not classified as hazardous for transport

### 14.2 UN Proper Shipping Name

- Not applicable

### 14.3 Transport hazard class(es)

- Not applicable

### 14.4 Packing group

- Not applicable

### 14.5 Environmental hazards

- Not classified

### 14.6 Special precautions for user

- Not classified

### 14.7 Domestic Surface Transport (US DOT)

- Proper Shipping Name: Not applicable
- DOT UN No.: Not applicable
- DOT Hazard Class: Not applicable
- DOT Packing Group: Not applicable

### 14.8 International Road/Rail(ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

### 14.9 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Packing Group: Not applicable

### 14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

---

## SECTION 15 Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**SECTION 15 Regulatory information (continued)**

- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

**15.2 Chemical Safety Assessment**

- No information available

**15.3 United States Regulatory Information**SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312

No SARA Hazards

Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

**15.4 Canadian Regulatory Information**

- Inventory Status

Domestic Substances List (DSL)	Listed
Non-Domestic Substances List (NDSL)	Not listed

---

**SECTION 16 Other information**

SDS Red Stop: *Not labeled for individual sale.*

Date of Preparation: June 2016

Revision: Rev. 02

Replaces: Rev. 01

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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## K-Blue ® Advanced TMB Substrate

Revision 1  
Revision date 2018-07-31

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name	K-Blue ® Advanced TMB Substrate
Product code	319175, 319176, 319177, 319257, 319171, 319210-L, 319210, 319170-W, 319174-W.

#### 1.1. Product identifier

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Substrate Solution.
-------------	---------------------

#### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

#### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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#### Further information

Manufactured By:	Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
Hotline(s):	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

### SECTION 2: Hazards identification

#### 2.2. Label elements

Hazard Statements	No Significant Hazard
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#### 2.3. Other hazards

Other hazards	No data is available on this product.
---------------	---------------------------------------

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## K-Blue ® Advanced TMB Substrate

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## 3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2-Pyrrolidinone		616-45-5	210-483-1			Eye Irrit. 2: H319;
Urea hydrogen peroxide		124-43-6	204-701-4			Ox. Sol. 3: H272; Skin Corr. 1B: H314; Eye Dam. 1: H318;

## Further information

The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING.

## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

## 4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Immediate medical attention is required.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

## 5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. Wash hands after handling the product.

## 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

## 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean

## K-Blue ® Advanced TMB Substrate

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## 6.3. Methods and material for containment and cleaning up

	spillage area thoroughly with plenty of water.
--	--

## 6.4. Reference to other sections

	See section 2, 8 & 13 for further information.
--	--

**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
--	--

## 7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.
--	--

## 7.3. Specific end use(s)

	See section 1.2 for further information.
--	--

**SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

	Occupational exposure controls.
--	---------------------------------

## 8.2. Exposure controls



Appropriate engineering controls	Ensure adequate ventilation of the working area.
----------------------------------	--

Individual protection measures	Wear suitable protective clothing.
--------------------------------	------------------------------------

Eye / face protection	Wear: Approved safety goggles.
-----------------------	--------------------------------

Skin protection - Hand protection	Wear: Chemical resistant gloves.
-----------------------------------	----------------------------------

Skin protection - Other	Wear suitable protective clothing.
-------------------------	------------------------------------

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
------------------------	---

Occupational exposure controls	Keep away from food, drink and animal feed and/ or feed products.
--------------------------------	---

**SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties



## K-Blue ® Advanced TMB Substrate

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## 9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear/Light blue
Odor	Characteristic
pH	3.1 - 3.5
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Oxidising properties	No data available
Odour threshold	No data available
Solubility	No data available

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data available.
--	--------------------

## 10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

## 10.3. Possibility of hazardous reactions

	No data available.
--	--------------------

## 10.4. Conditions to avoid

	No data available.
--	--------------------

## 10.5. Incompatible materials

	No data available.
--	--------------------

## 10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
--	---

## SECTION 11: Toxicological information

## K-Blue ® Advanced TMB Substrate

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## 11.1. Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens. Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

## 11.1.4. Toxicological information

	No data available
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## SECTION 12: Ecological information

## 12.1. Toxicity

	No data available
--	-------------------

## 12.2. Persistence and degradability

	No data available.
--	--------------------

## 12.3. Bioaccumulative potential

	No data available.
--	--------------------

## Partition coefficient

	K-Blue ® Advanced TMB Substrate No data available
--	--

## 12.4. Mobility in soil

	No data available.
--	--------------------

## 12.5. Results of PBT and vPvB assessment

	No data available.
--	--------------------

## 12.6. Other adverse effects

	No data available.
--	--------------------

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
--	---

## Disposal methods

	Contact a licensed waste disposal company.
--	--

## K-Blue ® Advanced TMB Substrate

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Revision date 2018-07-31

## Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

## SECTION 14: Transport information

## 14.1. UN number

The product is not classified as dangerous for carriage.

## 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

## 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

## 14.4. Packing group

The product is not classified as dangerous for carriage.

## 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

## 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

No data available.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

Not applicable.

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## Regulations

Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.

## US State Regulations:

## New Jersey Right-to-Know Hazardous Substance List:

2-Pyrrolidinone: Y

## Pennsylvania Right-to-Know Hazardous Substance List:

2-Pyrrolidinone: Y , 1,2, Ethanediamine, N,N'-bis(2-aminoethyl):Y.

Massachusetts Right-to-Know Hazardous Substance List: 2-Pyrrolidinone: Y.

## 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

## Other information

## Revision

This document differs from the previous version in the following areas..

1 - Product code.

## Text of Hazard Statements in Section 3

Eye Irrit. 2: H319 - Causes serious eye irritation.

Ox. Sol. 3: H272 - May intensify fire; oxidiser.

## K-Blue ® Advanced TMB Substrate

Revision 1  
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## Other information

	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Eye Dam. 1: H318 - Causes serious eye damage.
--	---

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p>
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