

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

1.1 Product identifier

- Product Name: **Veratox for Ochratoxin HS**
- Product Part Number: **8632**
- Chemical Kit contains: Conjugate solution, Ochratoxin 0 PPB – 15 PPB standards, Sample diluent solution, Conjugate solution, K-Blue[®] substrate solution, red stop solution

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

- Use of the substance/mixture: Intended for the quantitative analysis of Ochratoxin in corn and wheat
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Acumedia Manufacturers, Inc.
- Address of Manufacturer: 740 East Shiawassee
Lansing, Michigan 48912
USA
- Telephone: 517/372-9200
- Email: Foodsafety@neogen.com

1.4 Emergency telephone number

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

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- The Conjugate solution, Substrate Solution, Red Stop, and Sample diluent solution are not classified as hazardous for supply. The following classification is given for the Ochratoxin 0 PPB – 15 PPB Standards.
- Classification (29 CFR 1910.1200): Acute toxicity, oral, Cat. 3, Acute toxicity, dermal, Cat. 3, Acute toxicity, inhalation, Cat. 3, Specific target organ toxicity (single exposure), Cat. 1, Flammable liquids, Cat. 3
- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Flam. Liq. 3, H226, Acute Tox. 3, H301, Acute Tox. 3, H311, Acute Tox. 3, H331, STOT SE 1, H370
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



GHS02



GHS06



GHS08

- Signal Word: Danger
- Hazard phrases
Flammable liquid and vapor.
Toxic if swallowed, in contact with skin or if inhaled
Causes damage to organs.
- Precautionary Phrases
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Use explosion-proof electrical/ventilating/lighting equipment.
Take precautionary measures against static discharge.
Do not eat, drink or smoke when using this product.

SECTION 2 Hazards identification (continued)

Wear protective gloves/protective clothing/eye protection/face protection.
Use only outdoors or in a well-ventilated area.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands thoroughly after handling.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
If exposed/swallowed/inhaled or if you feel unwell: Immediately call a POISON CENTER or doctor/physician.
Rinse mouth.
Remove person to fresh air and keep comfortable for breathing.
Store locked up in a well-ventilated place. Keep cool.
Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

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 Number	H Phrases	Symbols
Methanol	40%	67-56-1	200-659-6	H225, H301, H311, H331, H370	GHS02, GHS06, GHS08

SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with skin
Remove contaminated clothing immediately and drench affected skin with plenty of water.
Then wash with soap and water.
Immediately call a POISON CENTER or doctor/physician.
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.
Irrigate eyes thoroughly while lifting eyelids.
Get immediate medical advice/attention.
- Ingestion
Do NOT induce vomiting.
Rinse mouth with water (do not swallow).
Never give anything by mouth to an unconscious person.
Seek immediate medical attention.

SECTION 4 First aid measures (continued)

- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Can cause damage to the heart, kidneys, liver, and lungs.
- Causes dizziness, confusion, headache or stupor.
- The ingestion of significant quantities may cause damage to central nervous system.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
- Symptoms of poisoning may occur even after several hours; therefore provide medical observation for at least 48 hours after the accident.

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

- Flammable liquid and vapor.
- Vapors are heavier than air and may travel considerable distances to a source of ignition and flashback.
- In case of fire, do not breathe fumes.
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides.

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water.
- In confined spaces, sewers, etc., the vapors may collect to form explosive mixtures with air.
- Prevent run off water from entering drains if possible.
- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Wear protective clothing as per section 8.
- Wash thoroughly after dealing with spillage.
- Eyewash bottles should be available.
- Take precautionary measures against static discharge.
- Use non-sparking hand tools.

6.2 Environmental Precautions

- Avoid release to the environment.
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities.

SECTION 6 Accidental release measures (continued)

6.3 Methods and material for containment and cleaning up

- Eliminate all ignition sources if safe to do so.
- Stop leak if safe to do so.
- Small spills
 - Wipe up spillage with damp cloth or mop.
 - Place in sealable container.
- Large spills
 - Absorb spillage in inert material and shovel up.
 - Place in sealable container.
 - Seal containers and label them.
 - Use only non-sparking tools.
 - Remove contaminated material to safe location for subsequent disposal.
 - Ventilate the area and wash spill site after material pick-up is complete.

6.4 Reference to other sections

- See Section 7, 8 & 13
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Vapors are heavier than air and may travel considerable distances to a source of ignition and flashback
- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Avoid breathing vapors, mist or gas
- Use non-sparking hand tools.
- Ensure adequate ventilation.
- Wash thoroughly after handling.
- Contaminated clothing should be laundered before reuse.
- Eyewash bottles should be available.

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 oxidizers, heat, flames or ignition sources.
- Protect from sunlight.
- Keep away from food, drink and animal food stuffs.
- Take precautionary measures against static discharge.
- Use explosion-proof ventilating and lighting equipment.

7.3 Specific end use(s)

- Intended for the quantitative analysis of Ochratoxin in corn and wheat
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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 ³	USA-OSHA Table Z-1 Limits for Air Contaminants - 1910.1000
		TWA	200 ppm, 260 mg/m ³	USA-NIOSH Recommended Exposure Limits
		STEL	250 ppm, 325 mg/m ³ (skin)	USA-NIOSH Recommended Exposure Limits
		TWA	200 ppm (skin)	USA-ACGIH Threshold Limit Values
		STEL	250 ppm (skin)	USA-ACGIH Threshold Limit Values
		WEL (long term)	200 ppm/266 mg/m ³ (skin)	EU-EH40/2005 Workplace Exposure Limits (WEL)
		WEL (short term)	250 ppm/333 mg/m ³ (skin)	EU-EH40/2005 Workplace Exposure Limits (WEL)

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- Use explosion-proof ventilating and lighting equipment.
- In case of insufficient ventilation, wear suitable respiratory equipment
- In case of insufficient ventilation, wear an air-purifying respirator suitable for protection against organic vapor, such as NIOSH 84A or EN371 type AX.
- Wear suitable protective clothing, including eye/face protection and gloves (butyl rubber are recommended)
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Glove material: butyl rubber
Thickness: 0.5 mm
Breakthrough time: 8 hours
Reference: Lit.
- Wear safety glasses approved to standard ANSI Z87 or EN 166.
- Eyewash bottles should be available



Gloves



Safety Glasses



Lab Coat



No Flames



No Smoking

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Aqueous solution, clear, colorless
- Odor: Alcohol odor
- pH: Not applicable
- Boiling Point/Range: Approx. 80°C
- Melting point/Range: -30°C
- Flashpoint: Approx. 32°C
- Flammability: No information available
- Autoignition Temperature: 470°C (pure methanol)

SECTION 9 Physical and chemical properties (continued)

- Evaporation Rate: No information available
- Vapor Pressure: Vapor pressure 12 Kpa at 20°C
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: soluble in water
- Solubility in Fat: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidizing Properties: Not oxidizing

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- In use, may form flammable/explosive vapor-air mixture

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

10.5 Incompatible materials

- Incompatible with oxidizing substances.

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

- Acute Toxicity
No experimental test data available for the mixture
LD₅₀ (oral, rat) (methanol) 5630 mg/kg
LD₅₀ (dermal, rabbit) (methanol) 15800 mg/kg
LC₅₀ (inhalation, rat) (methanol) 33.9 mg/l/4h
Classification based on calculation and concentration thresholds
- Skin corrosion/irritation
No experimental test data available for the mixture
Based on available data, the classification criteria are not met.
- Serious eye damage/irritation
Based on available data, the classification criteria are not met.
- Respiratory or skin sensitization
Based on available data, the classification criteria are not met.
- Germ cell mutagenicity
No information available

SECTION 11 Toxicological information (continued)

- Carcinogenicity
 - No evidence of carcinogenic effects
 - Reproductive toxicity
 - No information available
 - Specific target organ toxicity (STOT) - single exposure
 - Can cause damage to: Heart, liver, kidney, eyes (optic nerve), and central nervous system
 - Specific target organ toxicity (STOT) - repeated exposure
 - No information available
 - Aspiration hazard
 - No information available
 - Contact with eyes
 - May cause irritation
 - Contact with skin
 - Can be absorbed through skin
 - Can cause damage to the central nervous system
 - Inhalation
 - May cause damage to organs through prolonged or repeated exposure by inhalation.
 - Ingestion
 - May cause gastro-intestinal disturbances
 - May cause blindness if swallowed
 - Can cause damage to: Heart, kidney, liver, eyes, and central nervous system
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SECTION 12 Ecological information

12.1 Toxicity

Methanol

Toxicity to fish

LC₅₀ (Pimephales promelas) > 10000 mg/L-96h

Toxicity to daphnia and other aquatic invertebrates

EC₅₀ > 10000 mg/L-24h

12.2 Persistence and degradability

- Will degrade

12.3 Bioaccumulation Potential

- Log K_{ow} - 0.74

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorized waste collection point
- Refer to manufacturer/supplier for information on recovery/recycling
- Do not pierce or burn container, even after use
- Empty containers may contain flammable vapors

SECTION 13 Disposal considerations (continued)

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

- UN No.: 3316

14.2 UN Proper Shipping Name

- Proper Shipping Name: CHEMICAL KIT

14.3 Transport hazard class(es)

- Hazard Class: 9

14.4 Packing group

- Packing Group: III

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- No special precautions are required for this product

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

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: CHEMICAL KIT
- ADR UN No.: 3316
- ADR Hazard Class: 9
- ADR Packing Group: III
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: CHEMICAL KIT
- IMDG UN No.: 3316
- IMDG Hazard Class: 9
- IMDG Pack Group.: III

14.10 Air (ICAO/IATA)

- Proper Shipping Name: CHEMICAL KIT
- ICAO UN No.: 3316
- ICAO Hazard Class: 9
- ICAO Packing Group: III

SECTION 14 Transport information (continued)

14.11 DOT / CFR (US Department of Transportation)

- DOT Proper Shipping Name: CHEMICAL KIT
- DOT UN No.: 3316
- DOT Hazard Class: 9
- DOT Packing Group III

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 and OSHA Hazard Communication Standard 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

15.2 Chemical Safety Assessment

- A REACH chemical safety assessment has not been carried out

15.3 United States Regulatory Information

SARA 302 Components

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

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

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

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

H225: Highly flammable liquid and vapor H226: Flammable liquid and vapor H301: Toxic if swallowed H311: Toxic in contact with skin H331: Toxic if inhaled 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.