

MATERIAL SAFETY DATA SHEET

| Section 1. Company Identification and Product Information | | | |
|-----------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|
| Product Name or Identity: | Reveal [®] 2.0 for DSP | | |
| Manufacturer's Name: | Neogen Europe, Ltd. | Fax No.: | UK, 01292 525 601 International: ++44 (0) 1292 525 601 |
| | The Dairy School | Phone No.: | UK, 01292 525 600 International: ++44 (0) 1292 525 600 |
| | Auchincruive, Ayr, KA6 5HW, Scotland, UK | e-mail: | info@neogeneurope.com |
| Date Prepared or Revised: | February 2013 | Chemtrec: (800) 424-9300 Outside US and Canada: (703) 527-3887 | |

| Section 2. Composition / Information on Hazardous Ingredients | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----|---------------|
| This product is a mixture of the substances listed below with the addition of nonhazardous materials. | | | |
| Hazardous Components Specific Chemical Identity: | CAS-No. | % | Hazard Symbol |
| This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC. | NA | NA | NA |

| Section 3. Health Hazard Identification | |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Health Hazards: <i>(Acute and Chronic)</i> | Information pertaining to particular dangers for man and environment. When used and handled according to specifications, the product does not have harmful effects according to the information provided to us. May cause minor irritation of the eyes and skin. |

| Section 4. First Aid Measures | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emergency / First Aid Procedures: | <p>Ingestion: If swallowed, seek medical attention immediately. Wash out mouth with water, provided person is conscious. Show physician product label.</p> <p>Inhalation: If inhaled, supply fresh air or oxygen. Seek medical attention if breathing is labored or becomes difficult. If not breathing, apply artificial respiration.</p> <p>Eye Contact: Rinse opened eye for at least 15 minutes under running water, lifting lower and upper eyelids occasionally. Seek medical attention.</p> <p>Skin Contact: Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Seek medical attention if irritation develops. Wash clothing before reuse.</p> |

| Section 5. Fire and Explosion Hazard Data | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Flash Point (Method Used): N/A | Flammable Limits: LEL – N/A UEL – N/A |
| Extinguishing Media: Use alcohol foam, dry chemical, or carbon dioxide. Water may be ineffective. | |
| Protective Equipment: Firefighters should wear protective equipment and self-contained breathing apparatus. | |
| Unusual Fire and Explosion Hazards: During heating or in case of fire, poisonous gases are produced. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard. | |

Section 6. Accidental Release Measures

Personal Precautions: Wear self-containing breathing apparatus, rubber boots, and heavy rubber gloves. Place contaminated material in a chemical waste container.

Environmental Precautions: Prevent dispersion of material. Wipe up with damp sponge or mop.

Clean-up Methods: Contact safety officer if questions arise and ventilate area.

Refer to Section 7 for Handling Information.

Refer to Section 8 for Person Protection Equipment.

Refer to Section 13 for Disposal Information.

Section 7. Handling and Storage

Handling: Protect against physical damage. Ensure good ventilation / exhaustion and do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage: Keep container tightly closed. Keep away from heat, sparks, flame and incompatible material. Storage area should be cool, dry, and away from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues. Store at 18 - 30°C.

Other Precautions: N/A

Section 8. Exposure Controls / Personal Protection

Components with limit values that require monitoring: Not Applicable

OSHA-PEL: N/A

TLV: N/A

Additional Information: Personal Protection listed below are general requirements for laboratory personnel. Follow the usual precautionary measures for handling chemicals / powder. Avoid contact with eyes, skin, and clothing.

Personal Protective Equipment:

Keep away from food, beverages, and feed.
Wash hands before and after entering laboratory.

Breathing Equipment: In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respiratory.

Hand Protection: Use chemical resistant gloves.

Eye Protection: Wear safety glasses.

Body Protection: Wear lab coat or other protective work clothing.

Section 9. Physical and Chemical Properties

Appearance and Odor: N/A

Boiling Point: Not determined

Melting Point: Not determined

Density: Not determined

Section 10. Stability and Reactivity

| | | | |
|-------------------|----------|---|--------------------------------------------------------------|
| Stability: | Unstable | | Conditions to Avoid: Stable under normal storage conditions. |
| | Stable | X | |

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition or Byproducts: Carbon dioxide (CO₂), Carbon monoxide (CO), or Nitrogen oxides (NO_x).

| | | | |
|----------------------------------|----------------|---|----------------------------------------------------|
| Hazardous Polymerization: | May Occur | | Conditions to Avoid: No dangerous reactions known. |
| | Will Not Occur | X | |

Section 11. Toxicological Information**LD/LC50 values that are relevant:**

Acute Toxicity: When used and handled according to specifications and according to information provided for us, this product is not known to be toxic or hazardous at use concentrations.

Carcinogenicity Classification: Not Applicable

IARC (International Agency for Research on Cancer) – Not Listed

NTP (National Toxicology Program) Not Listed

Chronic: Prolonged or repeated skin contact may cause dermatitis.

Additional toxicological information: Any toxin(s) present in this kit are at concentration levels below the regulatory threshold limits which require registration under the Select Agent Program in as detailed in 42 CFR Part 73, 9 CFR Part 121, and 7 CFR Part 331.

Section 12. Ecological Information

Ecotoxicity Tests: The ecological effects have not been thoroughly investigated, but currently none have been identified.

Section 13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with all applicable federal, state, and local environmental regulations.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Contact a licensed professional waste disposal service to dispose of this material if questions arise.

Container Information: Do not remove labels from containers until they have been cleaned.

Section 14. Transport Information

DOT Regulations: Not Regulated

Land Transport ADR/RID (cross-border): Not Regulated

Maritime Transport IMDG: Not Regulated

Air Transport ICAO-TI and IATA-DGR: Not Regulated

Section 15. Regulatory Information

EU Regulations, Hazard Symbol(s): N/A

Section 16. Other Information

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.