
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Reveal 3-D Mustard
- Product Part Number: 8405
- Contains 4ml pouch of Reb 7 buffer

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

- Use of the substance/mixture: Reveal 3-D for Mustard Allergen is intended for the qualitative analysis of mustard residue in clean-in-place rinses and on environmental surfaces, For professional use only.
- Use advised against: Not for sale to the general public

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Neogen Europe Ltd
- Address of Supplier: The Dairy School
Auchincruive
Ayr, Scotland
KA6 5HW
UK
- Telephone: +44 (0) 1292 525 600
- Email: Info_uk@neogeneurope.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1292 525 600
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SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- EUH210 - Safety data sheet available on request.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
 - Not a vPvB according to REACH Annex XIII
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SECTION 3 Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- sodium azide
Concentration: 0.1%
CAS Number: 26628-22-8
EC Number: 247-852-1
Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Acute Tox. 2, H300, Aquatic Acute 1, H400, Aquatic Chronic 1, H410, EUH032
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SECTION 3 Composition/information on ingredients (....)

Substance with a workplace exposure limit, see Section 8

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
If skin irritation occurs: Get medical advice/attention.
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Irrigate eyes thoroughly whilst lifting eyelids
If eye irritation persists: Get medical advice/attention.
- Ingestion
Do NOT induce vomiting.
Rinse mouth with water (do not swallow)
Never give anything by mouth to an unconscious person
IF exposed or concerned: Get medical advice/attention.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Mildly irritating to skin and eyes

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 alcohol resistant foam or dry agent for extinction
- Unsuitable extinguishing media: high volume water jet

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include nitrogen and carbon oxides

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
 - Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
 - 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.
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

SECTION 6 Accidental release measures (....)

- Personal precautions for non-emergency personnel: Wear protective clothing as per section 8; Avoid contact with skin and eyes; Avoid breathing vapours, mist or gas; Contaminated clothing should be laundered before reuse; Wash thoroughly after dealing with spillage; Eyewash bottles should be available
- Personal precautions for emergency responders: Wear self-contained breathing apparatus (SCBA); Wear chemical protection suit
- Evacuate the area and keep personnel upwind

6.2 Environmental Precautions

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

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
 - 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**

- Do not eat, drink or smoke when using this product.
- Do not get in eyes, on skin, or on clothing.
- Avoid breathing vapours, mist or gas
- Ensure adequate ventilation
- Wash thoroughly after handling.
- Contaminated clothing should be laundered before reuse
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Store at ambient temperature
- Keep away from oxidisers, heat, flames or ignition sources
- Protect from sunlight.
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Reveal 3-D for Mustard Allergen is intended for the qualitative analysis of mustard residue in clean-in-place rinses and on environmental surfaces
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SECTION 8 Exposure controls/personal protection**8.1 Control parameters**

SECTION 8 Exposure controls/personal protection (....)

- sodium azide
 - (EU) OELV (long term TWA) 0.1 mg/m³
 - (EU) OELV (short term limit value) 0.3 mg/m³
 - WEL (long term) 0.1 mg/m³ (UK, Can be absorbed through the skin)
 - WEL (short term) 0.3 mg/m³ (UK, Can be absorbed through the skin)

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear lab coat
- Wear disposable gloves
- In case of fire:
 - 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.
 - Wear safety glasses approved to standard EN 166.
 - Eyewash bottles should be available



Gloves



Goggles



Suit



Respirator



No Flames



No Smoking

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Aqueous solution, clear, colourless
- Odour: No information available
- Odour threshold: No information available
- pH: No information available
- Melting point/freezing point: No information available
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability (solid,gas): Not applicable
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: No information available
- Solubility(ies): Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available



SECTION 9 Physical and chemical properties (....)

- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

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

- No hazardous reactions known if used for its intended purpose

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 nitrogen and carbon oxides
 - Decomposition products may include sodium oxides
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
Based on available data, the classification criteria are not met
LD50 (oral,rat) (sodium azide) 27 mg/kg
LD50 (dermal,rabbit) (sodium azide) 20 mg/kg
- Skin corrosion/irritation
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 sensitisation
Based on available data, the classification criteria are not met
- Germ cell mutagenicity
No information available
- Carcinogenicity
No information available
- Reproductive toxicity
No information available
- Specific target organ toxicity (STOT) - single exposure
No information available

**SECTION 11 Toxicological information (....)**

- Specific target organ toxicity (STOT) - repeated exposure
No information available
 - Aspiration hazard
No information available
 - Contact with eyes
May cause redness and irritation
 - Contact with skin
May cause irritation
May be harmful if absorbed through skin
 - Inhalation
In cases of severe exposure, irritation of the respiratory tract may develop
 - Ingestion
The ingestion of significant quantities may cause dizziness, confusion, headache or stupor
May cause gastro-intestinal disturbances
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SECTION 12 Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met
- sodium azide
LC50 (fish) 0.68 - 5.46 mg/l (96 hr)
LC50 (crustaceans) 9 mg/l (48 hr)
EC50 (crustaceans) 4.2 - 6.4 mg/l (48 hr)
EC50 (algae) 0.348 mg/l (96 hr)

12.2 Persistence and degradability

- Readily biodegradable

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
- Not a vPvB according to REACH Annex XIII

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 authorised waste collection point
- Refer to manufacturer/supplier for information on recovery/recycling

13.2 Classification



SECTION 13 Disposal considerations (....)

- 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

Not classified as hazardous for transport

14.1 UN Number

- UN No.: Not applicable

14.2 UN Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

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

14.6 Special precautions for user

- Not Classified

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

- Not Classified

14.8 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 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable
- IMDG Flashpoint: 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
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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 REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830 and the USA HCS 2012
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SECTION 15 Regulatory information (....)

- 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
- A REACH chemical safety assessment has not been carried out
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SECTION 16 Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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

- H300: Fatal if swallowed
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- EUH032: Contact with acids liberates very toxic gas