| 23.02.2024 | Kit components |
|--------------|---|
| Product code | Description |
| NEL300001EA | 4CN Plus Chromogenic Substrate, 2 Bottles |
| Components: | |
| FP296 | SUBSTRATE DILUENT (42.5ml) |
| FP297 | 4-CN PLUS CHROM SUB |

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Safety data sheet according to 1907/2006/EC, Article 31

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

- · 1.1 Product identifier
- Trade name: SUBSTRATE DILUENT (42.5ml)
- **Product number:** FP296
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Product category PC21 Laboratory chemicals
- · Application of the substance / the mixture Laboratory chemicals
- · 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Revvity, Inc 549 Albany Street Boston, MA 02118
- *Further information obtainable from:* US Technical Support 800-762-4000
- *1.4 Emergency telephone number:* If inside USA, call CHEMTREC at 1-800-424-9300 If outside USA, call CHEMTREC at 1-703-527-3887

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation.
- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Void
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components: Void

• Additional information: For the wording of the relevant risk phrases refer to section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- · General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: If skin irritation continues, consult a doctor.
- After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.

• 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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• **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- · 6.2 Environmental precautions: No special measures required.
- · 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- · 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling No special measures required.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and containers: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Storage class: 12
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

• *Ingredients with limit values that require monitoring at the workplace:* The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · 8.2 Exposure controls
- *Appropriate engineering controls* No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:
- The usual precautionary measures are to be adhered to when handling chemicals.
- · Respiratory protection: Not required.
- Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. • Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eve/face protection Goggles recommended during refilling

SECTION 9: Physical and chemical properties

| 9.1 Information on basic physical and chemical pro General Information | • |
|---|---|
| Physical state | Fluid |
| Colour: | According to product specification |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | 0 °C |
| Boiling point or initial boiling point and boiling ran | nge 100 °C |
| Flammability | Not applicable. |
| Lower and upper explosion limit | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| Flash point: | Not applicable. |
| Decomposition temperature: | Not determined. |
| pH | Not determined. |
| Viscosity: | |
| Kinematic viscosity | Not determined. |
| Dynamic: | Not determined. |
| Solubility | 101 000 111100. |
| water: | Not miscible or difficult to mix. |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure at 20 °C: | 23 hPa |
| Density and/or relative density | 25 m u |
| Density at 20 °C: | $l g/cm^3$ |
| Relative density | Not determined. |
| Vapour density | Not determined. |
| | Not actormitea. |
| 9.2 Other information | |
| Appearance: | |
| Form: | Fluid |
| Important information on protection of health a | und |
| environment, and on safety. | |
| Ignition temperature: | Product is not selfigniting. |
| Explosive properties: | Product does not present an explosion hazard. |
| Solvent content: | |
| Water: | <i>97.3 %</i> |
| Solids content: | 0.6 % |
| Molecular weight | 18.02 g/mol |
| Change in condition | |
| Evaporation rate | Not determined. |

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|--|----------|----------------|
| Information with regard to physical hazard cla | isses | |
| Explosives | Void | |
| Flammable gases | Void | |
| Aerosols | Void | |
| Oxidising gases | Void | |
| Gases under pressure | Void | |
| Flammable liquids | Void | |
| Flammable solids | Void | |
| Self-reactive substances and mixtures | Void | |
| Pyrophoric liquids | Void | |
| Pyrophoric solids | Void | |
| Self-heating substances and mixtures | Void | |
| Substances and mixtures, which emit flammab | le gases | |
| in contact with water | Void | |
| Oxidising liquids | Void | |
| Oxidising solids | Void | |
| Organic peroxides | Void | |
| Corrosive to metals | Void | |
| Desensitised explosives | Void | |

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

• Acute toxicity Based on available data, the classification criteria are not met.

- · 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 Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- 11.2 Information on other hazards
- Endocrine disrupting properties

None of the ingredients is listed.

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SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Smaller quantities can be disposed of with household waste. Must be specially treated adhering to official regulations.

• Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

| · 14.1 UN number or ID number · ADR, IMDG, IATA | Void | |
|---|------------------------------------|--|
| · 14.2 UN proper shipping name · ADR, IMDG, IATA | Void | |
| · 14.3 Transport hazard class(es) | | |
| · ADR, ADN, IMDG, IATA · Class | Void | |
| · 14.4 Packing group · ADR, IMDG, IATA | Void | |
| · 14.5 Environmental hazards: | Not applicable. | |
| · 14.6 Special precautions for user | Not applicable. | |
| • 14.7 Maritime transport in bulk according instruments | g to IMO Not applicable. | |
| · UN "Model Regulation": | Void | |

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SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information provided in this safety data sheet is based on our current knowledge, and is believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be regarded as a warranty or specification of quality. All materials may present unknown hazards and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards that exist. Revvity, Inc. cannot be held liable for any damage resulting from handling or contact with the product.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

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- · 1.1 Product identifier
- Trade name: 4-CN PLUS CHROM SUB
- · Product number: FP297
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Product category PC21 Laboratory chemicals
- · Application of the substance / the mixture Laboratory chemicals
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Revvity, Inc 549 Albany Street Boston, MA 02118
- *Further information obtainable from:* US Technical Support 800-762-4000
- 1.4 Emergency telephone number: CHEMTREC 1-703-527-3887 Regulatory Affairs (32) 2 717 79 71 If inside USA, call CHEMTREC at 1-800-424-9300 If outside USA, call CHEMTREC at 1-703-527-3887

SECTION 2: Hazards identification

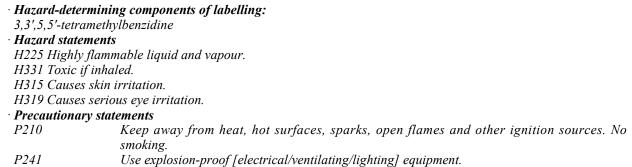
- · 2.1 Classification of the substance or mixture
- 2.1.1 Classification according to Regulation (EC) No 1272/2008
- Flam. Liq. 2 H225 Highly flammable liquid and vapour.
- Acute Tox. 3 H331 Toxic if inhaled.
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 H319 Causes serious eye irritation.
- 2.1.3 Additional information: For the wording of the relevant risk phrases refer to section 16.
- · 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation. Hazard pictograms



· Signal word Danger



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| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P303+P361 | +P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P305+P351 | +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| 2.3 Other h | azards |
| · Results of H | PBT and vPvB assessment |
| · PBT: Not a | pplicable. |
| · vPvB: Not a | applicable. |

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

| • Dangerous components: | | |
|------------------------------|--|--------|
| CAS: 64-17-5 | ethanol | 50-75% |
| EINECS: 200-578-6 | 🐼 Flam. Liq. 2, H225 | |
| Index number: 603-002-00- | 5 | |
| CAS: 67-68-5 | dimethyl sulfoxide | 25-50% |
| EINECS: 200-664-3 | ① Skin Irrit. 2, H315; Eye Irrit. 2, H319 | |
| CAS: 54827-17-7 | 3,3',5,5'-tetramethylbenzidine | <1% |
| EINECS: 259-364-6 | Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330 | |
| • Additional information: Fo | or the wording of the relevant risk phrases refer to section 16. | |

SECTION 4: First aid measures

• 4.1 Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

- Remove breathing equipment only after contaminated clothing have been completely removed.
- In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation:
- Supply fresh air.
- Seek medical treatment.

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

• After eye contact:

- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: Seek medical treatment.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
- · 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available.
- 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and containers: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- Storage class: 3
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:
- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see section 7.

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• Auto-ignition temperature: • Decomposition temperature:

· pH

· Viscosity:

· Kinematic viscosity

| | (Contd. of page 3 |
|--|---|
| Individual protection measures, such as personal prote | ctive equipment |
| General protective and hygienic measures: | |
| Keep away from foodstuffs, beverages and feed. | _ |
| Immediately remove all soiled and contaminated clothin | g |
| Wash hands before breaks and at the end of work. | |
| Store protective clothing separately. | |
| Avoid contact with the eyes and skin. Respiratory protection: | |
| | y filter device. In case of intensive or longer exposure us |
| self-contained respiratory protective device. | y futer device. In case of intensive or ionger exposure as |
| Suitable respiratory protective device recommended. | |
| Hand protection | |
| m . | |
| Protective gloves | |
| 0 | |
| The glove material has to be imported and an interest | to the product the substance the monoraution |
| The glove material has to be impermeable and resistant | |
| Selection of the glove material on consideration of the particular of always | enerration times, rates of alfusion and the degradation |
| Material of gloves | d |
| | d on the material, but also on further marks of quality an |
| | luct is a preparation of several substances, the resistance |
| of the glove material can not be calculated in advance a | na has therefore to be checked prior to the application. |
| Penetration time of glove material | the manufacturer of the protective cloves and has to h |
| observed. | the manufacturer of the protective gloves and has to b |
| <i>Eye/face protection</i> | |
| Lyerface protection | |
| | |
| Tightly sealed goggles | |
| | |
| | |
| | |
| SECTION 9: Physical and chemical propertie | 'S |
| 9.1 Information on basic physical and chemical proper | ties |
| General Information | |
| | Fluid |
| | According to product specification |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and boiling range | |
| | Highly flammable. |
| Lower and upper explosion limit | 0 77 |
| Lower: | 1.8 Vol % |
| Upper: | 63 Vol % |
| | 13 °C |
| Flash point: | 15 C |

270 °C

Not determined.

Not determined.

Not determined.

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|--|---|
| Dynamic: | Not determined. |
| Solubility | |
| water: | Not miscible or difficult to mix. |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure at 20 °C: | 59 hPa |
| Density and/or relative density | |
| Density: | Not determined. |
| Relative density | Not determined. |
| Vapour density | Not determined. |
| 9.2 Other information | |
| Appearance: | |
| Form: | Fluid |
| Important information on protection of health a | and |
| environment, and on safety. | |
| Ignition temperature: | Product is not selfigniting. |
| Explosive properties: | Product is not explosive. However, formation of |
| | explosive air/vapour mixtures are possible. |
| Solvent content: | |
| Organic solvents: | 98.0 % |
| Solids content: | 2.0 % |
| Change in condition | |
| Evaporation rate | Not determined. |
| Information with regard to physical hazard classes | |
| Explosives | Void |
| Flammable gases | Void |
| Aerosols | Void |
| Oxidising gases | Void |
| Gases under pressure | Void |
| Flammable liquids | Highly flammable liquid and vapour. |
| Flammable solids | Void |
| Self-reactive substances and mixtures | Void |
| Pyrophoric liquids | Void |
| Pyrophoric solids | Void |
| Self-heating substances and mixtures | Void |
| Substances and mixtures, which emit flammable ga | |
| in contact with water | Void |
| Oxidising liquids | Void |
| Oxidising solids | Void |
| Organic peroxides | Void |
| Corrosive to metals | Void |
| Desensitised explosives | Void |

SECTION 10: Stability and reactivity

• 10.1 Reactivity No further relevant information available.

10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

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· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

• Acute toxicity Toxic if inhaled.

- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- *Reproductive toxicity Based on available data, the classification criteria are not met.*
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

• 11.2 Information on other hazards

• Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers.

Must be specially treated adhering to official regulations.

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA

UN1992

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|---|--|
| 14.2 UN proper shipping name | |
| ADR | 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHANC |
| | (ETHYL ALCOHOL), 3,3',5,5'-tetramethylbenzidine) |
| IMDG | FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHANOL (ETH) |
| IATA | ALCOHOL), 3,3',5,5'-tetramethylbenzidine) FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHANO |
| ΙΑΙΑ | <i>3,3',5,5'-tetramethylbenzidine)</i> |
| 14.3 Transport hazard class(es) | |
| ADR | |
| | |
| Class | 3 Flammable liquids. |
| Label | 3+6.1 |
| IMDG | |
| | |
| Class | 3 Flammable liquids. |
| Label | 3/6.1 |
| Class | 3 Flammable liquids. |
| Label | 3 (6.1) |
| 14.4 Packing group | |
| ADR, IMDG, IATA | II |
| 14.5 Environmental hazards: | |
| Marine pollutant: | No |
| 14.6 Special precautions for user | Warning: Flammable liquids. |
| Hazard identification number (Kemler code): | 336 |
| EMS Number: | F-E,S-D |
| Stowage Category Stowage Code | B SW2 Clear of living quarters. |
| 14.7 Maritime transport in bulk according to IM | |
| instruments | Not applicable. |
| Transport/Additional information: | |
| ADR | |
| Limited quantities (LQ) | 1L |
| Excepted quantities (EQ) | Code: E2 |
| | Maximum net quantity per inner packaging: 30 ml |
| | Maximum net quantity per outer packaging: 500 ml |

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| | (Contd. of page 7 |
|---|---|
| • Transport category • Tunnel restriction code | 2 D/E |
| • IMDG • Limited quantities (LQ) • Excepted quantities (EQ) | 1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| · UN "Model Regulation": | UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (ETHANOL (ETHYL ALCOHOL), 3,3',5,5'- TETRAMETHYLBENZIDINE),3(6.1),II |

SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- *Seveso category* H2 ACUTE TOXIC P5c FLAMMABLE LIQUIDS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

• **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 9d

· Regulation (EU) No 649/2012

54827-17-7 3,3',5,5'-tetramethylbenzidine

Annex I Part 1 Annex I Part 2

• DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information provided in this safety data sheet is based on our current knowledge, and is believed to be correct at the date of publication. However, no representation is made concerning its accuracy and completeness. It is intended as guidance only, and is not to be regarded as a warranty or specification of quality. All materials may present unknown hazards and should be used with caution. Although certain hazards are described, we cannot guarantee that these are the only hazards that exist. (Contd. on page 9)

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|--|-----------------------------------|
| Revvity, Inc. cannot be held liable for any damage resulting from handling or contac | et with the product. |
| Department issuing SDS: EHS | |
| Abbreviations and acronyms: | |
| RID: Règlement international concernant le transport des marchandises dangereuses par chemin d | de fer (Regulations Concerning th |
| International Transport of Dangerous Goods by Rail) | |
| IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) | |
| ICAO: International Civil Aviation Organisation | |
| ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) | |
| ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agre | eement Concerning the Internation |
| Carriage of Dangerous Goods by Road) | |
| IMDG: International Maritime Code for Dangerous Goods | |
| IATA: International Air Transport Association | |
| GHS: Globally Harmonised System of Classification and Labelling of Chemicals | |
| EINECS: European Inventory of Existing Commercial Chemical Substances | |
| ELINCS: European List of Notified Chemical Substances | |
| CAS: Chemical Abstracts Service (division of the American Chemical Society) | |
| PBT: Persistent, Bioaccumulative and Toxic | |
| vPvB: very Persistent and very Bioaccumulative | |
| Flam. Liq. 2: Flammable liquids – Category 2 | |
| Acute Tox. 3: Acute toxicity – Category 3 | |
| Acute Tox. 2: Acute toxicity – Category 2 | |
| Skin Irrit. 2: Skin corrosion/irritation – Category 2 | |
| Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 | |
| | |