

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Article
Product name. : Cartridge A, Gel Cartridge

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Use of the substance/preparation : Biological Analysis

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

IntegenX, Inc.
5720 Stoneridge Drive, Suite 300
Pleasanton, CA 94588
www.integenx.com

1.4. Emergency telephone number

Emergency number : 925-701-3400

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Product is a plastic cartridge which contains liquid. As manufactured, the product is an article and is not classified according to GHS. The following classification is for the liquid in the cartridge:

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as hazardous

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified as hazardous

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :
Signal word (CLP) : Not classified as hazardous according to GHS
Hazard statements (CLP) : Not classified as hazardous according to GHS
Precautionary statements (CLP) : Not classified as hazardous according to GHS

2.3. Other hazards

No additional information available

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Directive 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------|--|------|--|---|
| Linear Polyacrylamide | (CAS No.) 9003-05-8 | 60 | Not classified | Not classified |
| Urea | (CAS No.) 57-13-6 (EC No) 200-315-5 | < 40 | Not classified | Not classified |

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : No specific first aid necessary for this route of exposure.

First-aid measures after skin contact : Wash with plenty of soap and water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Seek medical attention if irritation develops.

First-aid measures after ingestion : Do not induce vomiting. Give water to victim to drink. Seek medical attention.

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : None known.

Reactivity : None.

5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No special measures required.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

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according to Regulation (EC) No. 453/2010

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

For containment : No special measures required.

Methods for cleaning up : Wipe with an absorbent material and place in a receptacle for proper disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes, skin and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : No special storage conditions required.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Urea (CAS-No. 57-13-6) | | |
|------------------------|---|---|
| Bulgaria | OEL TWA (mg/m ³) | 10.0 mg/m ³ |
| Latvia | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Lithuania | IPRV (mg/m ³) | 10 mg/m ³ |
| Norway | Gjennomsnittsverdier (AN) (mg/m ³) | 30 µg Hg/g Kreatinin (Biological limit) |
| Norway | Gjennomsnittsverdier (Korttidsverdi) (mg/m ³) | 45 µg Hg/g Kreatinin (Biological limit) |

8.2. Exposure controls

Appropriate engineering controls : None required under normal product handling conditions.

Hand protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection : Wear impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : None required under normal product handling conditions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : Liquid enclosed in plastic cartridge. |
| Colour | : No data available |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Self ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Solubility | : No data available |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None.

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Strong oxidizing agents, strong bases, strong acids

10.6. Hazardous decomposition products

Carbon oxides, nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Urea (CAS No.) (57-13-6) | |
|--------------------------|-------------|
| LD50 oral rat | 8,471 mg/kg |
| ATE (oral) | 8,471 mg/kg |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

| Urea (CAS No.) (57-13-6) | |
|--------------------------|---|
| LC50 fish 1 | 16200 - 18300 mg/l (Exposure time: 96 h - Species: Poecilia reticulata) |
| EC50 Daphnia 1 | > 10000 mg/l (Exposure time: 24 h - Species: Daphnia magna Straus) |
| EC50 Daphnia 2 | 3910 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| Urea (CAS No.) (57-13-6) | |
|--------------------------|------------------|
| BCF fish 1 | < 10 |
| Log Pow | -1.59 (at 25 °C) |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

Not dangerous goods

14.2. UN proper shipping name

Not applicable

14.3. Additional Information

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

15.1.2. National regulations

No additional information available

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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.