

SAFETY DATA SHEET

Version 1

Issuing Date: 19-Mar-2020

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product code 981324

Product Name Modified G11.2, Lower NaCl, B12

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

Recommended use Laboratory chemicals.

Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Supplier
FUJIFILM Europe B.V.
Oudenstaart 1
5047 TK Tilburg
The Netherlands

Manufactured by
FUJIFILM Irvine Scientific, Inc.
2511 Daimler Street
Santa Ana, CA 92705
U.S.A.

For further information, please contact:

Company Phone Number Telephone: +31 13 579 19 11
Fax: +31 13 570 11 15

E-mail Address reach_feg@fujifilm.com

1.4. Emergency telephone number

Europe	+49 (0)211 5089 137 (9:00 a.m. to 6 p.m.)
United Kingdom	CHEMTREC UK: +(44)-870-8200418

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

Signal Word

None

2.3. Other hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
L-Cysteine Hydrochloride Monohydrate	615-117-8	7048-04-6	1-5%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	no data available
L-Histidine Monohydrochloride Monohydrate	611-821-4	5934-29-2	1-5%	Eye Irrit. 2 (H319)	no data available
Citric Acid, Monohydrate	691-328-9	5949-29-1	0.5-1.5%	Eye Irrit. 2 (H319)	no data available

Full text of H- and EUH-phrases: see section 16

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Immediate medical attention is not required.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
Ingestion	If swallowed, do not induce vomiting - seek medical advice.
Inhalation	Move to fresh air. If symptoms persist, call a doctor.

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

No information available.

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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media

No information available.

5.2. Special hazards arising from the substance or mixture

None known.

Hazardous Combustion Products

Carbon oxides. Nitrogen oxides (NO_x). Sodium oxides. Phosphorus oxides. Hydrogen chloride.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with the skin and the eyes.

6.2. Environmental precautions

Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Avoid dust formation.

Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimise spreading and keep powder dry. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

6.4. Reference to other sections

See section 7 for more information.

See section 8 for more information.

See Section 12 for additional Ecological Information.

See section 13 for more information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid inhalation of dusts. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep at temperatures between 2 and 8 °C (35 and 46 °F).

7.3. Specific end use(s)

Laboratory chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit value This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye Protection	If splashes are likely to occur, wear safety glasses with side-shields.
Hand Protection	Wear protective gloves.
Skin and body protection	Long sleeved clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Environmental exposure controls No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	No information available	Odour	No information available
Odour Threshold	No information available	Physical state @20°C	Solid, fine powder
pH	5.5 - 8.5	Flash point	No information available
Boiling point / boiling range	No information available	Decomposition temperature	No information available
Autoignition temperature	No information available	Freezing Point	No information available
Melting point / melting range	No information available	Flammability Limit in Air	No information available
Flammability (solid, gas)	No information available	Explosive Properties	No information available
Oxidising Properties	No information available	Solubility	No information available
Specific Gravity	No information available	Vapour Pressure	No information available
Evaporation rate	No information available	Density	No information available
Vapour density	No information available	Partition coefficient: n-octanol/water	No information available
Dynamic viscosity			

Other information
Molecular Weight No information available

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Freezing. Protect from moisture.

10.5. Incompatible materials

Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Product Information****Acute toxicity****Inhalation**

Inhalation of dust in high concentration may cause irritation of respiratory system.

Eyes

Dust contact with the eyes can lead to mechanical irritation.

Skin

Causes mild skin irritation.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Component Information

No information available

Chronic toxicity**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

Corrosivity

None known.

Irritation

Mild skin irritant.

Sensitisation

None known.

Reproductive Toxicity

None known.

Mutagenic Effects

None known.

Target Organ Effects

Skin.

Endocrine Disruptor Information**12. ECOLOGICAL INFORMATION****12.1. Toxicity****Ecotoxicity**

The environmental impact of this product has not been fully investigated

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available

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.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with federal, state and local regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

IMDG

Not regulated

RID

Not regulated

ADR/RID

Not regulated

ICAO

Not regulated

IATA

Not regulated

Special precautions for users

No information available.

15. REGULATORY INFORMATION

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

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Take note of Directive 94/33/EC on the protection of young people at work.

International Inventories

TSCA	No
EINECS/ELINCS	No
DSL/NDSL	No
AICS	No
NZIoC	Yes

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Prepared By

FUJIFILM Environment, Health and Safety, phone: (01) (800) 473-3854

Revision Date

19-Mar-2020

Revision Note

CLP Annex VI harmonized classification(s) and/or available REACH registration information are the primary data sources referenced in determining the classification of this product.

This safety data sheet complies with the requirements of: Regulation (EC) No 1272/2008.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.