

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Trade name: X3-B2

Date of issue: 2017-03-15

Revised at: 2020-05-22 (Version D)



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

### 1.1 Product identifier

Trade name: X3-B2; component of the **GXT96 X3 Extraction Kit**

Order number: -

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

Laboratory chemical

### 1.3 Details of the supplier of the safety data sheet

Hain Lifescience GmbH

Hardwiesenstr. 1

72147 Nehren, Germany

Tel.: +49 (0) 74 73- 94 51- 0

E-mail: msds@hain-lifescience.de

### 1.4 Emergency telephone number

+49 (0) 74 73- 94 51- 0 (Mon-Fri 8:00-17:00 CET)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008:

Acute Toxicity (oral, category 4)

Acute Toxicity (inhal., category 4)

Acute Toxicity (dermal, category 4)

Skin Corrosion (category 1C)

Aquatic Chronic (category 2)

### 2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008:

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H302+312+332: Harmful if swallowed, in contact with skin or if inhaled.

H314: Causes severe skin burns and eye damage.

H411: Toxic to aquatic life with long lasting effects.

EUH032: Contact with acid liberates very toxic gas.

Precautionary statements:

P273: Avoid release to the environment.

P280: Wear protective gloves / protective clothing / eye protection / face protection.

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3 Other hazards

none

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## **SECTION 3: Composition/information on ingredients**

### **3.2 Mixtures**

10-35% Triton X- 100 (CAS-Nr. 9002-93-1)

Classification of Triton X- 100 (100%) according to Regulation (EC) No. 1272/2008: Acute toxicity (oral, category 4), eye irritation (category 2), chronic hazards to the aquatic environment (category 2); H302-319-411

Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No 1907/2006 (REACH).

>35% guanidine thiocyanate (CAS no. 593-84-0; INDEX No. 615-030-00-5)

Classification of guanidine thiocyanate (100%) according to Regulation (EC) No. 1272/2008: Acute toxicity (category 4; inhalation), acute toxicity (category 4; dermal), acute toxicity (category 4; oral), skin corrosive (category 1C), chronic hazards to the aquatic environment (category 3); H302-312-332-314-412, EUH032

Full text of hazard statements: see section 16.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

If symptoms arise, call a physician.

If inhaled:	Remove to fresh air. Call a physician.
If swallowed:	Wash out mouth with plenty of water. Drink plenty of water. Call a physician.
In case of skin contact:	Immediately wash skin with soap and copious amounts of water. Remove contaminated clothing. Call a physician.
In case of eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. Call a physician.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available.

### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

No restriction; use any means suitable for extinguishing surrounding fire.

### **5.2 Special hazards arising from the substance or mixture**

No data available.

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear gloves and chemical safety goggles. Remove all sources of ignition. Ventilate area and wash spill site after material pickup is complete.

### **6.2 Environmental precautions**

Do not allow product to enter drains.

### **6.3 Methods and material for containment and cleaning up**

Pick up mechanically.

### **6.4 Reference to other sections**

Disposal: see section 13.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

No further requirements.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep tightly closed at 15°C to 25°C.

### **7.3 Specific end use(s)**

No data available.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

No data available.

### **8.2 Exposure controls**

Wear suitable protective clothing, gloves, and chemical safety goggles when handling the product. Close vial tightly immediately after use. Wash hands thoroughly after handling.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

- a) Appearance: liquid, colorless
- b) Odour: No data available.
- c) Odour threshold: No data available.
- d) pH: No data available.
- e) Melting point/freezing point: No data available.
- f) Initial boiling point and boiling range: No data available.
- g) Flash point: No data available.
- h) Evaporation rate: No data available.
- i) Flammability (solid, gas): No data available.
- j) Upper/lower flammability or explosive limits: No data available.
- k) Vapour pressure: No data available.
- l) Vapour density: No data available.
- m) Relative density: No data available.

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- n) Solubility(ies): water soluble
- o) Partition coefficient n-octanol/water: No data available.
- p) Auto-ignition temperature: No data available.
- q) Decomposition temperature: No data available.
- r) Viscosity: No data available.
- s) Explosive properties: No data available.
- t) Oxidising properties: No data available.

## 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Contact with acids liberates very toxic gas.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

No data available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- a) Acute toxicity:
  - Guanidine thiocyanate:**  
LD50 (oral, rat): 593 mg/kg
  - Triton X-100:**  
LD50 (oral, rat): 1800 mg/kg  
LD50 (dermal, rabbit): 8000mg/kg
- b) Skin corrosion/irritation: No data available.
- c) Serious eye damage/irritation: No data available.
- d) Respiratory or skin sensitisation: No data available.
- e) Germ cell mutagenicity: No data available.
- f) Carcinogenicity: No data available.
- g) Reproductive toxicity: No data available.
- h) Specific target organ toxicity - single exposure: No data available.
- i) Specific target organ toxicity - repeated exposure: No data available.
- j) Aspiration hazard: No data available.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

No data available.

### **12.2 Persistence and degradability**

No data available.

### **12.3 Bioaccumulative potential**

No data available.

### **12.4 Mobility in soil**

No data available.

### **12.5 Results of PBT and vPvB assessment**

No data available.

### **12.6 Other adverse effects**

No data available.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Dispose of unused reagents and waste in accordance with federal, state, and local regulations. Do not allow product to enter drains.

## **SECTION 14: Transport information**

### **14.1 UN number**

ADR/RID: 1760

IMDG: 1760

IATA: 1760

### **14.2 UN proper shipping name**

ADR/RID: CORROSIVE LIQUID, N.O.S. (Guanidine thiocyanate)

IMDG: CORROSIVE LIQUID, N.O.S. (Guanidine thiocyanate)

IATA: CORROSIVE LIQUID, N.O.S. (Guanidine thiocyanate)

### **14.3 Transport hazard class(es)**

ADR/RID: 8

IMDG: 8

IATA: 8

### **14.4 Packing group**

ADR/RID: III

IMDG: III

IATA: III

### **14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

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## 14.6 Special precautions for user

No data available.

## **SECTION 15: Regulatory information**

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

No data available.

### 15.2 Chemical safety assessment

No data available.

## **SECTION 16: Other information**

The following hazard statements refer to the classification of the components (pure substance, 100%) and not to the classification of the mixture:

H302:	Harmful if swallowed.
H302+312+332:	Harmful if swallowed, in contact with skin or if inhaled.
H312:	Harmful in contact with skin.
H314:	Causes severe skin burns and eye damage.
H319:	Causes serious eye irritation.
H332:	Harmful if inhaled.
H411:	Toxic to aquatic life with long lasting effects.
H412:	Harmful to aquatic life with long lasting effects.
EUH032:	Contact with acids liberates very toxic gas.

The above product shall be used by trained staff only. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. Hain Lifescience shall not be held liable for any damage or other consequences resulting from handling or from contact with the above product.

### **Changes compared to the previous version of this document**

Chapter 2