SENSI*Spec* ELISA Lupin, Brazil nut, Peanut, Pine nut (Cat. nr. HU0030011, HU0030035; HU0030018, HU0030042; HU0030019, HU0030043; HU0030240, HU0030241)

SECTION 1: Identification of the substance/preparation and of the Company/Undertaking

1.1. Product identifiers

Product names:

SENSI*Spec* ELISA; Lupin; Brazil nut; Peanut; Pine nut

Cat. Nr.

HU0030011, HU0030035; HU0030018, HU0030042; HU0030019, HU0030043; HU0030240,HU0030241

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

In vitro diagnostic kit.

The kit contains the following non-hazardous components:

0) Microtiter Plate
1) Substrate Solution
2) Conjugate
3) Washing Solution (10x Concentrate)
4) Extraction and Sample Dilution Buffer (10x Concentrate)
5) Hazardous component 1: Stop Solution
6) Hazardous component 2: Standards

1.2. Details of the supplier of the safety data sheet

Gold Standard Diagnostics Gold Standard Diagnostics Budapest Kft.
Fóti út 56/A.
1047 BUDAPEST
HUNGARY
Contact information: www.goldstandarddiagnostics.com/contacts.
Phone: + 36 20 457 1204

Responsible person's E-mail adress: CustomerService.Bud@eu.goldstandarddiagnostics.com

1.3. Emergency telephone number

Hungary: Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)
1097 Budapest, Nagyvárad tér 2.
Tel.: +36 1 476 6464, +36 80 201 199
e-mail: ettsz@nnk.gov.hu
Germany: E-Mail: giftnotruf@charite.de

For national Poison Centres in EU see: https://poisoncentres.echa.europa.eu/appointed-bodies.

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:
The kit contains the following non-hazardous components:
Microtiter Plate, Substrate Solution, Conjugate, Washing Solution (10x Concentrate), Extraction and Sample Dilution Buffer (10x Concentrate)
Hazardous component 1: Stop Solution
Corrosive to metals, Category 1, H290 (Corr. Met. 1)
Skin irritation, Category 2, H315 (Skin Irrit. 2)
Eye irritation, Category 2, H319 (Eye Irrit. 2)
For the full text of H-statements mentioned in this Section: see Section 16.
Hazardous component 2: Standards
Classification according to Regulation (EC) No 1272/2008:
Hazardous component: Standards
Skin sensitization , Category 1, H317 (Skin Sens. 1)
For the full text of H-statements mentioned in this Section: see Section 16.

2.2. Label elements

2.2.1. Hazardous component 1: Stop Solution

Hazard Pictograms:

Signal word:
Warning

Hazard statements:
H290 – May be corrosive to metals.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.

Precautionary statements:
P234 – Keep only in original packaging.
P264 – Wash skin thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 – IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 – If skin irritation occurs: Get medical advice/attention.

Reduced Labelling (<= 125 ml)
Hazard Pictograms: -
Signal word: Warning
Hazard statements: -

Precautionary statements: -
Supplemental hazard information: -
Substances contributing of hazard identification: Sulphuric acid

2.2.2. Hazardous component 2: Standards

Hazard Pictograms:

Signal word:
Warning

Hazard statements:
H317 – May cause an allergic skin reaction.

Precautionary statements:
P261 – Avoid breathing dust/fume/gas/mist/vapours/ spray.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P280 – Wear protective gloves.
P302 + P352 – IF ON SKIN: Wash with plenty of water/soap.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P363 – Wash contaminated clothing before reuse.

Reduced Labelling (<= 125 ml)
Hazard Pictograms:

Signal word:
Warning

Hazard statements:
H317 – May cause an allergic skin reaction.

Precautionary statements:
P261 – Avoid breathing dust/fume/gas/mist/vapours/ spray.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P280 – Wear protective gloves.
P302 + P352 – IF ON SKIN: Wash with plenty of water/soap.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P363 – Wash contaminated clothing before reuse.

Supplemental hazard information: -
Substances contributing of hazard identification: 3(2H)-Isothiazolone, 2-methyl-

2.3. Other hazards

None.

See PBT and vPvB assessment results in section 12.5.

Endocrine disrupting properties: see sections 11.2. and 12.6.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous component 1: Stop Solution:

Component	CAS No.	EC-No.	Index-No.	REACH-No.	Concentration	Classification according to Regulation (EC) No. 1272/2008 [CLP]	H-statements	Special concentration limits/M-factor/ATE
Sulphuric acid*	7664-93-9	231-639-5	016-020-00-8	-	1<x<10%	Skin Corr. 1A Met. Corr. 1	H290 H314	Skin Corr. 1A; H314: C ≥ 15 % Skin Irrit. 2; H315: 5 % ≤ C < 15 % Eye Irrit. 2; H319: 5 % ≤ C < 15 %

*: Manufacturer's classification which differs from harmonised classification.

Hazardous component 2: Standards:

Component	CAS No.	EC-No.	Index-No.	REACH-No.	Concentration	Classification according to Regulation (EC) No. 1272/2008 [CLP]	H-statements	Special concentration limits/M-factor/ATE
3(2H)-Isothiazolone, 2-methyl-	2682-20-4	220-239-6	613-326-00-9	-	≤0.013	Acute Tox. 2 Acute Tox. 3 Acute Tox. 3 Skin Corr. 1B Eye Dam. 1 Skin Sens. 1A Aquatic Acute 1 Aquatic Chronic 1	H330 H311 H301 H314 H318 H317 H400 H410 EUH071	Skin Sens. 1A; H317: C ≥ 0,0015 % M=10 M=1

For the full text of H-statements mentioned in this Section: see Section 16.

The product does not contain Substances of Very High Concern (SVHC).

SECTION 4: First Aid Measures

4.1. Description of first aid measures

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

GENERAL INFORMATION:

In case of accident or feeling sick immediately consult a physician. Show this safety data sheet or the product label to the doctor in attendance!

First aider: Pay attention for self-protection!

Remove contaminated clothing immediately.

Eye –washing and skin-washing facilities should be available at the workplace for specific and immediate treatment.

FOLLOWING INGESTION:

If chemical has been swallowed, wash out mouth with water. Do not swallow mouthwash. DO NOT induce vomiting. Do not administer anything if victim is unconscious. Get medical aid.

FOLLOWING INHALATION:

There is a minimal risk of inhalation. In case there appear to be symptoms of exposure, supply fresh air. Monitor respiration. If breathing becomes difficult, consult a doctor and give oxygen. Get medical aid.

FOLLOWING SKIN CONTACT

Immediately flush with large amounts of water and soap. Remove all contaminated clothing and wash them before reusing. In case of irritation consult a physician.

FOLLOWING EYE CONTACT:

Rinse thoroughly with plenty of water for at least 15 minutes. Insure adequate washing by keeping eyelids open with fingers. Consult a physician.

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

Hazardous component 1: Stop Solution: Causes skin irritation. Causes serious eye irritation.

Hazardous component 2: Standards: Symptoms Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.

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

Treat sympstoms.

SECTION 5: Firefighting Measures

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

Kit components are not flammable.

5.1. Extinguishing media

Hazardous component 1: Stop solution

Suitable extinguishing media: use agent most appropriate to extinguish surrounding fire. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Keep surrounding materials cool with water spray.

Unsuitable extinguishing media: no information available.

Hazardous component 2: Standards

Suitable extinguishing media: use agent most appropriate to extinguish surrounding fire. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Keep surrounding materials cool with water spray. Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the mixture.

Hazardous component 1: Stop solution

Hazardous combustion products of Stop Solution: sulphur oxides.

Hazardous component 2: Standards

Product is or contains a sensitizer. May cause sensitization by skin contact.
Explosion data
Sensitivity to mechanical impact None.
Sensitivity to static discharge None.

5.3. Advice for firefighters
In case of fire, if necessary, wear approved self-contained breathing apparatus and appropriate protective clothing.
Keep surrounding materials cool with water spray**.**

SECTION 6: Accidental Release Measures

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

6.1. Personal precautions, protective equipment, and emergency procedures
6.1.1. For non-emergency personnel
The small, supplied volumes and packaging insure minimal risk of accidental release. In case of spill, wear protective clothing as indicated in section 8. Ensure adequate ventilation.
6.1.2 For emergency personnel
In case of spill, wear protective clothing as indicated in section 8. Ensure adequate ventilation.
See sections 7 and 8.

6.2. Environmental precautions
Do not allow to enter sewers/ground water or penetrate the soil.

6.3. Methods and materials for containment and cleaning up.
Absorb with liquid binding material (sand diatomite, acid binders, universal binders, sawdust).
Dispose of the material according to regulations.
Ensure adequate ventilation.

6.4. **Reference to other sections**
See sections 7, 8 and 13.

SECTION 7: Handling and Storage

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

7.1. Precautions for safe handling
Avoid skin and eyes contact. Avoid inhalation of vapour or mist. Wear appropriate personal protective equipment as specified in section 8.
Remove contaminated clothing immediately. Wash hands and face after working with substance.
Advice on protection against fire and explosion: Normal measures for preventive fire protection

7.2. Conditions for safe storage, including any incompatibilities.
Keep products tightly sealed in their original containers. Store bottles between +2°C and +8°C. Avoid physical damage to containers.
Do not expose to heat or direct light. Store away from foodstuffs.
The packaging guarantees the component isolation from incompatible material.

Hazardous component 1: Stop solution
Unsuitable packaging material: Metal or light metal containers cannot be used.

7.3. Specific end use(s)
In vitro diagnostic reagents, as described in section 1.2.

SECTION 8: Exposure Controls/Personal Protection

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

8.1. Control parameters
Exposure limit values

8.1.1. Hazardous component 1: Stop solution

Components with workplace control parameters.
Substance Sulphuric acid
CAS No. 7664-93-9
Remarks: mist

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m³	ppm	mg/m³
Austria		0,1 inhalable aerosol		0,2 inhalable aerosol
Belgium		0,2 (1)		
Denmark		0,05		0,1 (1)
European Union		0,05 (1)(2)		
Finland		0,05 (1)		0,1 (1)(2)
France		0,05 thoracic fraction		3
Germany (AGS)		0,1 inhalable aerosol		0,1 inhalable aerosol (1)
Germany (DFG)		0,1 (1)		0,1 (1)(2) 0,2 (1)(3)
Hungary		0,05		
Ireland		0,05		
Italy		0,05 (1)(2)		
Latvia		0,05		
New Zealand		0,1		
Norway		0,1 (1)		
Poland		0,05 (1)		
Romania		0,05		
Sweden		0,1 (1)		0,2 (1)(2)
The Netherlands		0,05 (1)		

Remarks
Belgium (1) Additional indication "C" means that the agent falls within the scope of Title 2 concerning carcinogenic, mutagenic and reprotoxic agents of Book VI of the Codex on well-being at work.
Denmark (1) 15 minutes average value
European Union (1) Thoracic fraction (2) When selecting an appropriate exposure monitoring method, account should be taken of potential limitations and interferences that may arise in the presence of other sulphur compounds. Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)
Finland (1) thoracic fraction (2) 15 minutes average value
France Italics type: Indicative statutory limit values
Germany (AGS) (1) 15 minutes average value
Germany (DFG) (1) Inhalable fraction (2) 15 minutes average value (3) Ceiling limit value
Italy (1) thoracic fraction (2) When selecting an appropriate method of exposure monitoring, the limitations and potential interference that may result from the presence of other phosphorus compounds should be taken into account
Norway (1) Thoracic fraction
Poland (1) Thoracic fraction
Sweden (1) Inhalable fraction (2) 15 minutes average value
The Netherlands (1) Thoracic fraction

DNEL values (Sulphuric acid):
Workers
long-term exposition – local effects:
Inhalativ: DNEL 0.05 mg/m3 (worker)
short-term exposition – local effects:
Inhalativ: DNEL 0.1mg/m3 (worker)

PNEC values (Sulphuric acid):
PNEC
8.8 mg/L (sewage treatment plant)
0.002 mg/kg (sea water sediment)
0.25 mg/L (seawaterr)
0.002 mg/kg (freshwater sediment)
0.0025 mg/L (fresh water)

8.1.2. Hazardous component 2: Standards
Components with workplace control parameters.
Kathon - mixture (3:1) (5-Chloro-2-methyl-2,3-dihydroisothiazol-3 one and 2-Methyl-2,3-dihydroisothiazol-3 one)
CAS-No.: 55965-84-9 26172-55-4 2682-20-4
Source: GESTIS

		Limit value - TWA			**Limit value - STEL**	
Country	ppm	mg/m³	F/cm³	ppm	mg/m³	F/cm³
Austria		0,05				
Germany (DFG)		0,2 (1)			0,4 (1)(2)	
Remarks:						
(1) Inhalable fraction						
(2) 15 minutes average value						
Poland		0,2 (1)			0,4 (1)(2)	
Remarks:						
(1) Skin						
(2) 15 minutes average value						

DNEL values: no information available
PNEC values: no information available

8.2. Exposure controls

5/2020. (II. 6.) ITM decree on the protection of the health and safety of workers exposed to chemical pathogenic factors, pursuant to Section 11(2) in the case of hazardous substances not regulated by limit values, the employer is obliged to reduce the level of exposure to the lowest level expected according to scientific and technical standards , at which level, according to the current state of science, the dangerous substance has no health-damaging effect. When using in an open system, use local exhaust where possible. If local extraction is not possible or is insufficient, adequate ventilation of the work area must be ensured.

General protective and hygienic measures
Adhere to instructions and good laboratory practice.. Always avoid direct contact of the solution with eyes, skin and clothing. Avoid inhalation. Avoid prolonged or repeated exposure. Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.Immediately remove all soiled and contaminated clothing.
Handle in accordance with good industrial hygiene and safety practice. Caution is necessary to prevent skin contact, eye contact, cloth contact and spilling into the floor.

Appropriate engineering controls
Handle in a fume cupboard or under local exhaust ventilation. Have emergency shower and eye wash stations available

Individual protection measures, such as personal protective equipment:

a) eye/face protection
Safety eyewear or face protection complying with an approved standard (European Standard EN 166) should be used. Safety glasses with shields.

b) skin protection

i. hand protection: Chemical-resistant, impervious gloves complying with an approved standard (European Standard EN374) should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
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.
Material of gloves: Nitrile, thickness: ≥ 0.11 mm
The selection of the suitable gloves does not only depend on the material, but alos 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 cannot be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material: Value of the permeation: Level ≥ 6
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

ii. other: body protection: Protective work clothing.

c) respiratory protection
Respiratory protection is not required under normal and intended conditions of use.

d) thermal hazards
None.

Environmental exposure controls
Do not let product enter drains.

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided above, is based upon intended, normal usage. If there is different than normal usage of the material it is advised to consult a safety specialist about the type of personal protective equipment and other actions that should be taken.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Property	Substrate Solution	Conjugate	Washing Solution (10x Conc.)	Extraction and Sample Dilution Buffer (10x Conc.)	Stop Solution	Standards
Form:	fluid	fluid	fluid	fluid	fluid	fluid
Colour:	colourless	red	colourless	red	colourless	red
Odour:	odourless	odourless	odourless	odourless	odourless	odourless
Odour threshold:	No information available	No information available	No information available	No information available	No information available	No information available
pH-value at 25°C:	3.3 – 3.8	6.2 – 7.2	6.2 – 7.2	8.0 – 8.4	~ 0,6	neutral
Melting point/Melting range:	No information available	No information available	No information available	No information available	No information available	No information available
Boiling point/Boiling range	No information available	100 °C	100 °C	100 °C	100°C	100 °C
Flash point:	No information available	No information available	No information available	No information available	No information available	No information available
Flammability(solid,) gaseous)	Not flammable	Not flammable	Not flammable	Not flammable	Not flammable	Not flammable
Autoi Ignition temperature:	No information available	No information available	No information available	No information available	No information available	No information available
Decomposition temperature:	No information available	No information available	No information available	No information available	No information available	No information available
Self-igniting:	The mixture is not self-igniting	The mixture is not self-igniting	The mixture is not self-igniting	The mixture is not self-igniting	The mixture is not self-igniting	The mixture is not self-igniting
Danger of explosion:	The mixture does not present an explosion hazard an explosion hazard	The mixture does not present an explosion hazard	The mixture does not present an explosion hazard	The mixture does not present an explosion hazard	The mxture does not present an explosion hazard	The mixture does not present an explosion hazard
Lower:	No information available	No information available	No information available	No information available	No information available	No information available
Upper:	No information available	No information available	No information available	No information available	No information available	No information available
Oxidizing properties	No information available	No information available	Noinformation available	No information available	No information available	No information available
Vapour pressure at 20 °C:	No information available	No information available	No information available	No information available	23 hPa	No information available
Density at 20 °C:	No information available	No information available	No information available	No information available	1,03 g/cm3	No information available

Relative Vapour density:	No information available	No information available	No information available	No information available	No information available	No information available
Evaporation rate:	No information available	No information available	No information available	No information available	No information available	No information available
Solubility in / Miscibility with water:	Fully miscible	Fully miscible	Fully miscible	Fully miscible	Fully miscible	Fully miscible
Partition coefficient (n-Octanol/Water)	No information available	No information available	No information available	No information available	No information available	No information available
Dynamic:	No information available	No information available	No information available	No information available	No information available	No information available
Kinematic:	No information available	No information available	No information available	No information available	No information available	No information available
Particle characteristics	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Stop Solution: May be corrosive to metals

9.2.2. Other safety characteristics
No information available.

SECTION 10: Stability and reactivity

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under the conditions for storage and handling described in the instructions. Keep in their original containers.

10.3. Possibility of hazardous reactions:
Stop Solution: Reacts with alkali (lyes).
Standards: None under normal processing.

10.4. Conditions to avoid
Avoid heat, flame, sparks, direct light, incompatible materials.

10.5. Incompatible materials
Hazardous component 1: Stop Solution
bases, halides, organic materials, carbides, nitrates, picrates, cyanides, chlorates, alkali halides, zinc salts, permanganates, hydrogen peroxide, azides, perchlorates, nitromethane, phosphorous, cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, phosphorous(iii) oxide, powdered metals.
Hazardous component 2: Standards
No information available.

10.6. Hazardous decomposition products
No data available. In case of fire see Section 5.

SECTION 11: Toxicological Information

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

Hazardous component 1: Stop Solution:

Acute toxicity:
No information available.
Skin corrosion / irritation:
Causes skin irritation.
Serious eye damage/irritation:
Causes serious eye irritation.
Respiratory or skin sensitization:
No sensitizing effects known.
Germ cell mutagenicity:
No information available.
Carcinogenicity:
No information available.
Reproductive toxicity:
No information available.
Aspiration hazard:
Not classified as aspiration hazard.
Relevant toxicological data:
No information available.
STOT-single exposure:
Not classified as specific target organ toxicant.
STOT-repeated exposure:
Not classified as specific target organ toxicant.
Aspiration hazard:
Not classified as aspiration hazard.
Relevant toxicological data:
No information available.
Information on likely routes of exposure:
No information available.
Symptoms related to the physical, chemical and toxicological characteristics:

- Skin contact: Stop Solution: Causes skin irritation.
- Eye contact: Stop Solution: Causes serious eye irritation.
- Inhalation: Stop Solution: It may irritate mucous and upper respiratory tract.
- Ingestion: No specific information available.
- Other: No information available.

Delayed and immediate effects as well as chronic effects from short and long term exposure:
See section 4.2.
Interactive effects:
No information available.
Absence of specific data:
No information available.

Mixtures:
No information available.
Mixture versus substance information:
No information available

Hazardous component 2: standards
Acute toxicity:
2H)-Isothiazolone, 2-methyl-
CAS: 2682-20-4
LD50 oral: 232 - 249 mg/kg (Rat)
LD50 oral= 120 mg/kg (Rat)
LD50 dermal = 200 mg/kg (Rabbit)
LC50 inahalation = 0.11 mg/L (Rat) 4 h.
Skin corrosion / irritation:
No information available.
Serious eye damage/irritation:
No information available.
Respiratory or skin sensitization:
May cause an allergic skin reaction.
Germ cell mutagenicity:
No information available.
Carcinogenicity:
No information available.
Reproductive toxicity:
No information available.
Aspiration hazard:
Not classified as aspiration hazard.
Relevant toxicological data:
No information available.
STOT-single exposure:
Not classified as specific target organ toxicant.
STOT-repeated exposure:
Not classified as specific target organ toxicant.
Aspiration hazard:
Not classified as aspiration hazard.
Relevant toxicological data:
No information available.
Information on likely routes of exposure:
Skin contact, iInhalation, eye contact, ingestion.
Symptoms related to the physical, chemical and toxicological characteristics:

- Skin contact: Standards: Itching. Rashes. Hives. Prolonged contact may cause redness and irritation.
- Eye contact: No information available.
- Inhalation: No information available.
- Ingestion: No specific information available.
- Other: No information available.

Delayed and immediate effects as well as chronic effects from short and long term exposure:
Inhalation Specific test data for the substance or mixture is not available.
Eye contact Specific test data for the substance or mixture is not available.
Skin contact May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes mild skin irritation.
Ingestion Specific test data for the substance or mixture is not available.

Interactive effects:
No information available.
Absence of specific data:
No information available.
Mixtures:
No information available.
Mixture versus substance information:
No information available

11.2 Information on other hazards
Endocrine disrupting properties
Sulphuric acid is not listed.
3(2H)-Isothiazolone, 2-methyl- is not listed.

Other information
Toxicological properties have not been further investigated.
Further information: RTECS: WS5600000 (sulphuric acid).
The product should be handled with the care usual when dealing with chemicals.

SECTION 12: Ecological Information

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

Do not allow product to reach surface water, waterways, or soil.

12.1 Toxicity
No information available.
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
This product contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
12.6. Endocrine disrupting properties
Sulphuric acid is not listed.
(2H)-Isothiazolone, 2-methyl- is not listed.
12.7. Other adverse effects
The components are furnished in volumes that do not represent hazard for the environment if used and disposed of correctly.
Water hazard class 1 (German Regulation) (Self-assessment) – Do not allow to enter waters, sewers or soil.

SECTION 13: Disposal Considerations

The description applicable to both the standards and the stop solution are identical, unless explicitly stated otherwise by a distinct designation.

13.1. Waste treatment methods
Product disposal:
Avoid release to the environment.
Dispose of contents in accordance with local/regional/national/international regulations.

According to the European Waste Catalogue, Waste Codes are not product specific, but ap Send surplus and non-recyclable solutions to a licensed disposal company application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Packaging disposal:
Dispose of container in accordance with local/regional/national/international regulations**.**

Physical, chemical properties, which could influence waste management:
No information available.

Sewage disposal-relevant information:
Do not allow product to reach sewage system**.**

SECTION 14: Transport Information

STOP SOLUTION

ADR/RID

14.1 UN number or ID number: UN 2796
14.2 UN proper shipping name: UN 2796 SULPHURIC ACID
14.3 Transport Hazard Class(es): 8
14.4 Packing group: II
14.5 Environmental hazards: -
14.6 Special precautions for user: LQ:1 l; Tunnel restriction code: (E)

ADN:

14.1 UN number or ID number: UN 2796
14.2 UN proper shipping name: UN 2796 SULPHURIC ACID
14.3 Transport Hazard Class(es): 8
14.4 Packing group: II
14.5 Environmental hazards: -
14.6 Special precautions for user: -

IMDG

14.1 UN number or ID number: UN 2796
14.2 UN proper shipping name: UN 2796 SULPHURIC ACID
14.3 Transport Hazard Class(es): 8
14.4 Packing group: II
14.5 Environmental hazards: Marine pollutant: no
14.6 Special precautions for user: -

ICAO-TI/IATA-DGR

14.1 UN number or ID number: UN 2796
14.2 UN proper shipping name: UN 2796 Sulphuric acid
14.3 Transport Hazard Class(es): 8
14.4 Packing group: II
14.5 Environmental hazards: -
14.6 Special precautions for user: -

14.7 Maritime transport in bulk according to IMO instruments
Not applicable.

STANDARDS: Not regulated as dangerous good.

ADR/RID

14.1 UN number or ID number: -
14.2 UN proper shipping name: -
14.3 Transport Hazard Class(es): -
14.4 Packing group:
14.5 Environmental hazards: -
14.6 Special precautions for user: -

ADN:

14.1 UN number or ID number: -
14.2 UN proper shipping name: -
14.3 Transport Hazard Class(es): -
14.4 Packing group: -
14.5 Environmental hazards: -
14.6 Special precautions for user: -

IMDG

14.1 UN number or ID number: -
14.2 UN proper shipping name: -
14.3 Transport Hazard Class(es): -
14.4 Packing group: -
14.5 Environmental hazards: -
14.6 Special precautions for user: -

ICAO-TI/IATA-DGR

14.1 UN number or ID number: -
14.2 UN proper shipping name: -
14.3 Transport Hazard Class(es): -
14.4 Packing group: -
14.5 Environmental hazards: -
14.6 Special precautions for user: -

14.7 Maritime transport in bulk according to IMO instruments
Not applicable.

SECTION 15: Regulatory Information

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

EU Regulations:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

COMMISSION REGULATION (EU) No 348/2013 of 17 April 2013 amending Annex XIV to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

COMMISSION REGULATION (EU) 2020/878of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance)

REGULATION (EU) 2019/1148 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013
ANNEX I: Sulphuric acid 15 % (m/m) -40 % (m/m)
All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point within 24 hours of detection to the national contact point of the Member State where the disappearance or theft took place.

15.2.Chemical safety assesment:
Chemical safety assessement has not been carried out for this product.

SECTION 16: Other information

Identification of changes
Rev: 01 Creation and harmonization of the data sheet in accordance with applicable international legislation.

Abbreviations and acronyms:
ATE: Acute Toxicity Estimate. PBT: persistent, bioaccumulative and toxic. vPvB: very persistent, very bioaccumulative. LD50 lethal dose, LC50 Lethal concentration. EC50 Effective concentration. EWC: European Waste Catalog. IARC: International Agency for Research on Cancer. RTECS: Registry of Toxic Effects of Chemical Substances. VOC: Volatile Organic Carbon. PNEC: Predicted no effect concentration. LFL: Lower Inflammatory Limit. UFL: Upper Flammability Limit. LEL lower explosion limit. UEL: Upper explosion limit. STOT: Specific Target Organ Toxicity. LDLo Lethal dose, low. IC50: Inhibitory concentration. SVHC: Substances of very high concern. NOAEL: No-observed-adverse-effect level. LOAEL: Lowest-observed-adverse-effect level.

Full text of H-statements from section 2 and 3:
H290 – May be corrosive to metals.
H314 – Causes severe skin burns and eye damage.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H317 – May cause an allergic skin reaction.
H301 – Toxic if swallowed.
H311 – Toxic in contact with skin.
H314 – Causes severe skin burns and eye damage.
H318 – Causes serious eye damage.
H330 – Fatal if inhaled.
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
EUH 071 – Corrosive to the respiratory tract.

Precautionary statements:
P234 – Keep only in original packaging.
P264 – Wash skin thoroughly after handling.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 – IF ON SKIN: Wash with plenty of water.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 – If skin irritation occurs: Get medical advice/attention.
P261 – Avoid breathing dust/fume/gas/mist/vapours/ spray.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P280 – Wear protective gloves.
P302 + P352 – IF ON SKIN: Wash with plenty of water/soap.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P363 – Wash contaminated clothing before reuse.

Further training advice:
No information available.

Recommended restrictions on use:
This product is intended to be used for laboratory use only by technical staff trained in microbiological techniques. Classification and labelling have been performed according to CLP Regulations**.**

Read the Instructions for Use for further information on limitations of use.