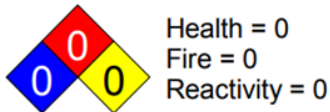


1 Identification

- **Product Identifier**
- **Trade Name:** Element i+® cTSH
- **Relevant identified uses of the substance or mixture and uses advised against:**
Product Description: Detection of canine thyroid stimulating hormone for veterinary applications · **Application of the substance/mixture:** Not applicable
- **Details of the Supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
Heska
3760 Rocky Mountain Ave
Loveland, CO 80538
1-800-464-3752 (1-800-GO-HESKA)
Emergency telephone number: 1-800-464-3752 (1-800-GO-HESKA)

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
The product does not meet classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev. 03. This product is an article under 29 CFR §1910.1200(c).
- **Label elements:**
- **GHS label elements:** None
- **Hazard pictograms:** None
- **Signal word:** None
- **Hazard statements:** None
- **Unknown acute toxicity:**
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0% of the mixture consists of component(s) of unknown toxicity
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0-4)**



- **HMIS-ratings (scale 0-4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances with non-hazardous additions.
- **Additional information:**
The exact percentages of the ingredients of this mixture are considered proprietary and are withheld in accordance with the provisions of paragraph (i) of 29 CFR §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- **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 occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If eye irritation occurs, consult a doctor.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use firefighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.

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- **Advice for firefighters**
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and materials for containment and cleaning up:**
Absorb with liquid-binding material (i.e., sand, diatomite, acid binders, universal binders, sawdust).
Dispose of the collected material according to regulations.
- **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.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**

7440-09-7	Potassium chloride	2.3 mg/m ³
7778-77-0	Potassium Phosphate	9.6 mg/m ³
- **PAC-2:**

7440-09-7	Potassium chloride	25 mg/m ³
7778-77-0	Potassium Phosphate	110 mg/m ³
- **PAC-3:**

7440-09-7	Potassium chloride	150 mg/m ³
7778-77-0	Potassium Phosphate	630 mg/m ³

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:** No special measures required
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:**
No further data; see Section 7.
Hazards are determined based on the containment in plastic.
- **Control parameters**
- **Components with occupational exposure limits:**
57-50-1 Sucrose, Pure
PEL Long-term value: 15* 5** mg/m³
*total dust **respirable fraction
REL Long-term value: 10* 5** mg/m³
*total dust **respirable fraction
TLV Long-term value: 10 mg/m³
- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures:** No special measures required.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance**

Form:	Solid material.
Color:	White.
- **Odor:** No data available
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**

Melting point/Melting range:	Not determined.
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- Boiling point/Boiling range:** Not determined
- Freezing point:** Not applicable
- Flash point:** None
- Flammability (solid, gaseous):** Not applicable.
- Ignition temperature:** Not applicable
- Decomposition temperature:** Not determined.
- Auto igniting:** Product is not self-igniting.
- Danger of explosion:** Product does not present an explosion hazard.
- Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- Vapor pressure:** Not determined.
- Density:**
 - Relative density:** Not determined.
 - Vapor density:** Not determined.
 - Evaporation rate:** Not determined.
- Solubility in / Miscibility with:**
 - Water:** Miscible
- Partition coefficient (n-octanol/water):** Not determined.
- Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- Solvent content:**
 - VOC content:** 0.00 %
- Other information:** No further relevant information available.

10 Stability and Reactivity

- Reactivity:** No further relevant information available.
- Chemical stability:** Stable under normal conditions.
- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- Possibility of hazardous reactions:** No dangerous reactions known.
- Conditions to avoid:** No further relevant information available.
- Incompatible materials:** No further relevant information available.
- Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- Information on toxicological effects**
- Acute toxicity:**

LD/LC50 values that are relevant for classification:		
57-50-1 Sucrose, Pure		
Oral	LD50	29,700 mg/kg (Rat)
- Primary irritant effect:**
- On the skin:** No irritating effect.
- On the eye:** Irritating effect.
- Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.
 When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- Carcinogenic categories:**

IARC (International Agency for Research on Cancer):
None of the ingredients are listed.

NTP (National Toxicology Program):
None of the ingredients are listed.

OSHA (Occupational Safety & Health Administration):
None of the ingredients are listed.

12 Ecological Information

- Toxicity**
- Aquatic toxicity:** No further relevant information available.
- Persistence and degradability:** No further relevant information available.
- Behavior in environmental systems:**
- Bioaccumulative potential:** No further relevant information available.
- Mobility in soil:** No further relevant information available.
- Additional ecological information:**
- General notes:**

Do not allow undiluted product that has not been neutralized to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment:**
- PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods:**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA:** Non-regulated material.
- **UN proper shipping name:**
- **DOT, ADR/ADN, ADN, IMDG, IATA:** Non-regulated material.
- **Transport Hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA:**
- **Class:** Non-regulated material.
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA:** Non-regulated material.
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-regulated material.

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

Section 355 (extremely hazardous substances):
None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):
None of the ingredients are listed.

TSCA (Toxic Substances Control Act):		
57-50-1	Sucrose, Pure	ACTIVE
26873-85-8	Ficoll 400	ACTIVE
7647-14-5	Sodium Chloride	ACTIVE
7558-79-4	Sodium Phosphate, dibasic	ACTIVE
7440-09-7	Potassium Chloride	ACTIVE
7778-77-0	Potassium Phosphate	ACTIVE
7558-80-7	Sodium Phosphate, monobasic, anhydrous	ACTIVE

- **Hazardous Air Pollutants:**
None of the ingredients are listed

- **California Proposition 65:**

Chemicals known to cause cancer:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients are listed.

Chemicals known to cause developmental toxicity:
None of the ingredients are listed.

New Jersey Right-to-Know List:		
7558-79-4	Sodium Phosphate, dibasic	
7440-09-7	Potassium Chloride	

New Jersey Special Hazardous Substance List:		
7440-09-7	Potassium Chloride	F3, R2

Pennsylvania Special Hazardous Substance List:		
57-50-1	Sucrose, Pure	
7558-79-4	Sodium Phosphate, dibasic	
7440-09-7	Potassium Chloride	

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Carcinogenic categories:

EPA (Environmental Protection Agency):		
None of the ingredients are listed.		
TLV (Threshold Limit Value established by ACGIH):		
57-50-1	Sucrose, Pure	A4
NIOSH (National Institute for Occupational Safety and Health)		
None of the ingredients are listed.		

- **GSH label elements:** Non-Regulated Material
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **National Regulations:**
None of the ingredients are listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the sustainability of the material or product for any particular purpose.

- **Date of preparation / last revision:** 07/05/2021 / 1
- **Abbreviations and acronyms:**
 - ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
 - ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transportation Association
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - 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)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - VOC: Volatile Organic Compounds (USA, EU)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety and Health
 - OSHA: Occupational Safety & Health Administration
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit