

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name TRISTAT SDHA FCC/NF
INCI Name Sodium Dehydroacetate

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Product Use: Active ingredient in cosmetic and personal care applications

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer: TRI-K INDUSTRIES, INC.
2 Stewart Court
Denville, NJ 07834
Information Phone Number: (973) 298-8850
E-mail info@tri-k.com

1.4 Emergency Telephone Number:

Emergency Spill Information (973) 298-8850 (TRI-K Industries, Inc.)
(800) 222-1222 (National Poison Control Center)

**24-HOUR EMERGENCY
TELEPHONE NUMBER**

CHEMTREC (800) 424-9300

SDS Date of Preparation: May 28, 2015

SDS Date of Revision: May 28, 2019

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS Classification (EC No. 1272/2008): Acute Oral Toxicity Category 4 (H302)

EU Classification (Directive 1999/45/EC): Xn – Harmful ; R22 – Harmful if swallowed

2.2 Label Elements



Signal Word: WARNING

Hazard Phrases: H302 – Harmful if swallowed

Precautionary Phrases: P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EINECS#	%
Sodium Dehydroacetate	4418-26-2	224-580-1	~100 %

Additional information: For full text of H-statements and R-phrases: see SECTION 16

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.

Inhalation: Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.

Ingestion: Clean mouth with water. Get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed:

May cause mild eye irritation. Swallowing may cause mild abdominal discomfort

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

No immediate medical treatment normally needed.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Water spray. Carbon dioxide (CO₂). Dry chemical. Chemical foam.

5.2 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: None known

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**
Ensure adequate ventilation. Wear appropriate protective clothing and equipment.
- 6.2 Environmental Precautions:**
Prevent any material from entering drains or waterways.
- 6.3 Methods and Material for Containment and Cleaning Up:**
Sweep up or vacuum up spillage and collect in suitable container for disposal. Follow all Local, State and Federal regulations.
- 6.4 Reference to Other Sections:**
Refer to Section 8 for protective equipment and Section 13 for disposal considerations

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:**
Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist.
- 7.2 Conditions for Safe Storage, Including any Incompatibilities:**
Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Avoid bacterial contamination.
- 7.3 Specific end use(s):** Active ingredient in cosmetic and personal care applications

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	8.1.1 Occupational Exposure Limits:	8.1.2 Additional exposure limits under the conditions of use:	8.1.3 DNEL/DMEL and PNEC-Values:
Sodium Dehydroacetate	None Established	Not Available	Not Available

8.2 Exposure Controls:

- 8.2.1 Appropriate Engineering Controls:** General mechanical ventilation is acceptable
- 8.2.2 Individual protection measures, such as personal protective equipment:**
Hand Protection: Protective gloves

SKIN PROTECTION: Wear normal work gloves

Body Protection: None required under normal conditions of use

Respiratory Protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Other: An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

8.2.3 Environmental Exposure Controls: Non-hazardous but avoid direct releases to the environment

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties:

Appearance: Crystalline Powder	Vapor Pressure: Not determined
Odor: None	Vapor Density: Not determined
Odor Threshold: No data available	Specific Gravity: Not determined
pH: Not Determined	Water Solubility: 33%
Melting Point / freezing point Decomposes @ ~295°C	Partition coefficient: n-octanol/water: Not Available
Boiling Point: Not applicable	Auto-ignition Temperature: Not Available
Flash Point (COC): Not applicable	Decomposition Temperature: 295°C
Evaporation Rate: Not Applicable	Viscosity (cP): Not applicable
Flammability (solid, gas): Not Applicable	Explosion Properties: Not applicable
Upper/lower flammability or explosive limits: Not Applicable	Oxidizing Properties: Not determined

9.2 Other Information:

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Not reactive under normal conditions of use

10.2 Chemical Stability:

Stable

10.3 Possibility of Hazardous Reactions:

None known

10.4 Conditions to Avoid:

Heat, flames and sparks

10.5 Incompatible Materials:

Strong oxidizing agents.

10.6 Hazardous Decomposition Products:

Burning can produce smoke, CO, CO₂, and/or ammonia.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eye Contact: May cause mild irritation.

Skin Contact: No adverse effects expected.

Inhalation: No adverse effects expected.

Ingestion: Excessive ingestion may cause mild nausea or abdominal discomfort

Acute toxicity: Oral LD50 (rat): 570 mg/kg ; Oral LD50 (mouse): 1050 mg/kg

Irritation: No data available. Not expected to cause significant irritation

Corrosivity: This is not a corrosive product.

Sensitization: This product is not expected to cause sensitization

Repeated dose toxicity: No data available

Carcinogenicity: No data available.

Mutagenicity: This product is not expected to present a germ cell mutagenicity hazard.

Toxicity for reproduction: Not expected to affect reproduction or development

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants ecotoxicity data available.

Acute (short-term) toxicity: N/A

Fish: N/A

Crustacea: N/A

Algae/aquatic plants: N/A

Other organisms: N/A

Chronic (long-term) toxicity: N/A

Fish: N/A

12.2 Persistence and Degradability:

Data not available.

12.3 Bio accumulative Potential:

Data not available.

12.4 Mobility in Soil:

Data not available. .

12.5 Results of PBT and vPvB Assessment:

Not required.

12.6 Other Adverse Effects:

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose in accordance with local and federal environmental regulations

SECTION 14: TRANSPORT INFORMATION

	US DOT	EU land transport (ADR/RID/ADN)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
14.1 UN Number				
14.2 UN Proper Shipping Name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport Hazard Class(s)				
14.4 Packing Group				
14.5 Environmental Hazards	Not applicable	Not applicable	Not applicable	Not applicable
14.6 Special Precautions for user	None	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable	Not applicable	Not applicable	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

REGULATION (EC) No 1005/2009- Substances that deplete the ozone: This product does not contain any chemicals subject to EC 1005/2009.

REGULATION (EC) No 850/2004 - Persistent organic pollutants: This product does not contain any chemicals regulated under EC 850/2004.

REGULATION (EC) No 689/2008 – Concerning the export and import of dangerous chemicals: This product does not contain any chemicals regulated under EC 689/2008.

EU EINECS/ELINCS/NLP:	The substance is listed on the EINECS Inventory.
Canada DSL/NDSL:	The substance is listed on the DSL.
US TSCA	The substance is listed on the United States TSCA.
Korea KECI:	The substance is listed on the KECI.
China IECSC:	The substance is listed on the IECSC.
Japan ENCS:	The substance is listed on the ENCS
Philippine PICCS:	The substance is listed on the PICCS
New Zealand NZIOC:	The substance is listed on the NZIOC
Taiwan TCSI	The substance is listed on the TCSI
Australia AICS:	The substance is listed on the Australian Inventory of Chemical Substances

15.2 Chemical Safety Assessment:

Not required

SECTION 16: OTHER INFORMATION

16.1 Indication of Changes

Version 1 created on May 28, 2015.

Version 2 created on June 6, 2016

Version 3 created on June 7, 2017

Version 4 created on August 30, 2018

Version 5 created on May 28, 2019

16.2 GHS Phrases for Reference (See Section 2 and 3):

Acute Oral Toxicity Category 4 (H302)

EU Classes and Risk Phrases for Reference (See Sections 2 and 3):

Xn – Harmful

R22 – Harmful if swallowed

16.3 Legal Disclaimer

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