

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

1.1 Product Identifier:

Trade Name Biobase S
INCI Name Glyceryl Stearate (and) Cetearyl Alcohol (and) Sodium Stearoyl Lactylate

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: +1 (973) 298-8850
E-mail info@tri-k.com

1.4 Emergency Telephone Number:

Emergency Spill Information +1 (973) 298-8850 (TRI-K Industries, Inc.)
+1 (800) 222-1222 (National Poison Control Center)

24-HOUR EMERGENCY TELEPHONE NUMBER

CHEMTREC +1 (800) 424-9300 or +1 (703) 527-3387

SDS Date of Preparation: January 25, 2012

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

The substance does not meet the criteria for a hazardous substance

Classification according to Directive 1999/45/EC [DPD]:

The substance does not meet the criteria for dangerous substances

2.2 Label Elements: *Labeling according to Regulation (EC) No 1272/2008 [CLP]*

Not applicable
Hazard Statement: Not applicable
Precautionary Statement: Not applicable

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	EINECS#	EU Classification (67/548/EEC)	GHS Classification Regulation (EC) No 1272/2008	%
Glyceryl Stearate	31566-31-1	250-705-4	Not Listed	Not Listed	>50.0%
Cetearyl Alcohol	67762-27-0	267-008-6	Not Listed	Not Listed	10.0-25.0%
Sodium Stearoyl Lactylate	25383-99-7	246-929-7	Not Listed	Not Listed	10.0-25.0%

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: Wash eyes immediately with large amounts of water. Get medical attention.

Skin Contact: Remove contaminated clothing immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15 – 20 minutes).

Inhalation: Remove to fresh air and get medical attention.

Ingestion: Contact the local poison control center or physician immediately. Drink large amounts of water.

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

Swallowing may cause nausea or abdominal discomfort.

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

Not available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:

Dry chemical, carbon dioxide, foam extinguisher

5.2 Special Hazards Arising from the Substance or Mixture:

Unusual Fire and Explosion Hazards: None known

Hazardous Decomposition Products: Burning can produce smoke, carbon monoxide, and carbon dioxide.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures:

Self-contained breathing apparatus operated in positive pressure mode and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Ensure adequate ventilation. Use chemical safety goggles for eye/face protection.

6.2 Environmental Precautions:

Non-hazardous

6.3 Methods and Material for Containment and Cleaning Up:

Sweep up and put into a waster container. Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted wastewater treatment facility. Observe all government 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:

Keep working place well-ventilated, no special cautions.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Store in the original closed containers under dry conditions. Temperatures above 32°C should be avoided. Optimum storage temperature is 24°C or lower. Avoid exposure to sunlight for prolonged periods.

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:
Glyceryl Stearate	No limits established	Not Available	Not Available

Cetearyl Alcohol	No limits established	Not Available	Not Available
Sodium Stearoyl Lactylate	No limits established	Not Available	Not Available

8.2 Exposure Controls:

8.2.1 Appropriate Engineering Controls: Ensure adequate ventilation.

8.2.2 Individual protection measures, such as personal protective equipment:

ENGINEERING CONTROLS: Provide exhaust ventilation. Other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

RESPIRATORY PROTECTION: Use a vapor respirator.

SKIN PROTECTION: Wear protective gloves and work clothing.

EYE PROTECTION: Chemical goggles with side splash protection recommended. Wash eyes before breaks and at the end of work.

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 Off-white to tan flakes	Vapor Density: Not applicable
Odor: Slight, Characteristic	Specific Gravity: Not applicable
Odor Threshold: N/A	Water Solubility: Insoluble
pH: 11.0 – 12.0	Octanol/Water Partition Coefficient: Not available
Melting Point: 55-70°C	Auto-ignition Temperature: Not determined
Boiling Point: Not Determined	Decomposition Temperature: Not available
Flash Point (COC): > 100°C	Viscosity (cP): Not determined
Evaporation Rate: Not determined	Explosion Properties: Not available
Flammable Limits: Not determined	Oxidizing Properties: Not determined
Vapor Pressure: Not determined	% Volatile: Not applicable

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 under normal conditions of use

10.3 Possibility of Hazardous Reactions:

None known

10.4 Conditions to Avoid:

Gross bacterial contamination, heat, flames, sparks, and other sources of ignition.

10.5 Incompatible Materials:

Avoid metals and oxidizing materials.

10.6 Hazardous Decomposition Products:

Burning can produce smoke, CO, CO₂, and other products of incomplete combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eye Contact: May cause mild irritation.

Skin Contact: Not expected to be a primary skin irritant.

Inhalation: Not expected to be a primary irritant.

Ingestion: Excessive ingestion may cause mild nausea or abdominal discomfort. Non-toxic.

Acute Toxicity Values

Oral: LD₅₀ > 5000 mg/kg body weight

Sensitization: Not expected to be sensitizing.

Repeat Dose Toxicity: No chronic toxicity is known.

Carcinogen Status: No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No 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:

Not available.

12.3 Bio accumulative Potential:

Not determined

12.4 Mobility in Soil:

Not determined.

12.5 Results of PBT and vPvB Assessment:

Not applicable

12.6 Other Adverse Effects:

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Small amounts may be flushed to sewer. Otherwise, dispose in accordance with local, state, and federal environmental regulations.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(s)	14.5 Environmental Hazards
US DOT		Not regulated		Not applicable
EU ADR/RID		Not regulated		Not applicable
IMDG		Not regulated		Not applicable

14.6 Special Precautions for User:

None

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

SECTION 15: REGULATORY INFORMATION

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

EU EINECS/ELINCS/NLP:	All components listed
Canada DSL:	All components listed
US TSCA	All components listed
Korea KECI:	All components listed
China IECSC:	All components listed
Japan ENCS:	All components listed
Philippine PICCS:	All components listed
Australia AICS:	All components listed
New Zealand NZIoC:	All components listed

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: OTHER INFORMATION

16.1 Indication of Changes

Version 1 created on January 25, 2012

Version 2 created on February 6, 2012

Version 3 created on August 2, 2016

Version 4 created on July 27, 2018 – Inventory Status Update (Section 15.1)

Version 5 created on May 20, 2019 – Legal Disclaimer Update (Section 16.3)

16.2 List of Relevant R- phrases (number and full text):

Not applicable

16.3 Legal Disclaimer

The statements contained in this document are for informational purposes only and are intended to be generally representative of the raw material supplied by Tri-K Industries, Inc. or its affiliates (collectively, "Tri-K"). They are derived from information obtained from tests and analysis, including those conducted by Tri-K's vendors. The recipient of this document is cautioned against relying on it without independent investigation as to the accuracy and completeness of the statements set forth herein, or the suitability or fitness of the raw material for any particular purpose. This document does not constitute a representation or warranty by Tri-K; the parties' written agreement is the sole and exclusive source of any representation or warranty. TRI-K HEREBY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.