

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Thermo Label LI-110,120, F-110,120,5S-95 3E-90,100,110,120, 4E-95, 5E-100,8E-50,8E-90 Thermo Label Super Mini 1K-115,120,3K-110,3R-110	Date Prepared	April 19, 2013
		Date Revised	March 16, 2016
		Rev. 2	
Company Name	NiGK Corporation		
Company Address	21-2 Matoba-shinmachi, Kawagoe, Saitama, 350-1107 JAPAN		
Issued Department	ENVIRONMENT SAFETY ADMINISTRATION DEPT.		
Emergency Phone Number	+81-49-231-2103	Fax Number	+81-49-232-1334
E-mail Address	kankyo-hoan@nichigi.co.jp		
Recommended Use and Restrictions on Use	Temperature indicating material		

This product is a molded article that does not take any other form than solid and will not be powdered or granulated under normal handling conditions. Therefore, it is not legally obligated to attach a safety label or SDS to this product. The hazard and toxicity information given below is the reference information concerning the chemical substances used as temperature indicating material of this product. Hazardous substance will not leak out from this product under normal handling conditions. Never modify the shape of this product. If you do so, hazardous substance may be released or exposed.

2. HAZARD IDENTIFICATION

GHS Classification		
Health Hazards	Acute toxicity - oral	Not classified
	Acute toxicity - inhalation (dust or mist)	Category 4
	Skin corrosion / irritation	Category 3
	Serious eye damage / eye irritation	Category 2B
	Skin sensitization	Not classified
	Target organ / systemic toxicity (single exposure)	Category 3
	Other hazards are not applicable for classification by the GHS, or classification is not possible for them.	

GHS Label Elements

Pictograms / Symbols



Signal Word

Danger

Hazard Statements

- Causes mild skin irritation
- Causes eye irritation
- May cause respiratory irritation or drowsiness or dizziness

Precautionary Statements

Prevention

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Do not eat or drink when using this product.
- Wash hands thoroughly after handling.
- Wear protective gloves/eye protection/face protection.

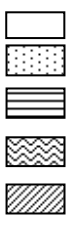
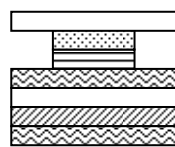
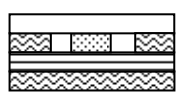
Response

- IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists, get medical advice/attention.
- IF ON SKIN: Wash with plenty of water and soap.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.
- If exposed or concerned: Call medical advice/attention.

Storage	<ul style="list-style-type: none"> • Call a doctor if you feel unwell. Get medical advice/attention. • Store in a cool/well-ventilated/dark place (0 to 20°C). • Store locked up.
Disposal	<ul style="list-style-type: none"> • When disposing of the contents/container, consign them to a licensed industrial waste disposal operator with this sheet disclosed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Single Product / Mixture Classification	Mixture	Content (%)	Official reference number in Japan	CAS number
Ingredients				
	Polyester film	50 to 80	—	—
	Temperature indicating ink (containing zinc stearate)	3 to 30 (<10)	— (2-615)	— (557-05-1)
	Absorbent paper	5 to 20	—	—
	Acrylic pressure sensitive adhesive	5 to 20	—	—
	Marking ink	<3	—	—

Composition			
LI, F, 3E, 4E, 5E, 5S, 8E	Super Mini 1K, 3K, 3R		
			

Polyester film, absorbent paper, acrylic pressure sensitive adhesive, and marking ink are composed of known chemical substances which are not among the target substances to be notified under the Industrial Safety and Health Law nor among the target substances of the PRTR law. Their names are kept as trade secrets and will not be disclosed.

4. FIRST-AID MEASURES

Inhalation	Because this product is a label, inhalation hazard will not occur under normal handling conditions. If inhalation causes headaches, dizziness, or other discomfort, remove person to fresh air.
Skin Contact	No special measure is required. If skin irritation occurs, rinse the skin with cold or tepid water.
Eye Contact	Because this product is a label, it will not get into the eyes under normal handling conditions. If in eyes, rinse cautiously with clean water for at least 15 minutes and get treated by an ophthalmologist.
Ingestion	Because this product is a label, it will not be swallowed under normal handling conditions. If swallowed, rinse mouth cautiously with clean water. If possible, induce vomiting by sticking finger in throat and get medical attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Extinguishing powder (ABC), carbon dioxide, drying sand, or fire extinguishing foam
Unsuitable Extinguishing Media	Not available
Extinguishing Method	Cut off the fire source and use extinguishing media from the windward.

6. ACCIDENTAL RELEASE MEASURES

Because this product is a label, it will cause no leakage hazard.

7. HANDLING AND STORAGE

Handling Precautions	Technological countermeasures: None in particular	Precautions: None in particular
Storage Precautions	Technological countermeasures: None in particular Storage conditions: No particular hazards. To keep the quality, however, store this product in a cool and dark place away from heat and moisture.	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	Zinc stearate
Standard Control Concentration	Not specified
Occupational Exposure Limit	
The Japan Society for Occupational Health	Not specified
ACGIH TLV-TWA	Not specified
STEL	Not specified
Equipment Countermeasures	None in particular under normal handling conditions
Protective Gear	None in particular under normal handling conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Label
Odor	None
pH	Not available
Melting Point/Freezing Point	Not available
Boiling Point, Initial Boiling Point and Boiling Point Range	Not available
Flash Point	Not available
Explosion Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Specific Gravity	Not available
Solubility	Slightly soluble in water and organic solvent.
Octanol/Water Partition Coefficient	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Stability	Stable under normal handling conditions.
Possibility of Hazardous Reactions	Not available
Conditions to Avoid	Heat and moisture (to prevent the product from deterioration although there are no hazards.)
Incompatible Materials	Pyrophoric substances
Hazardous Decomposition Products	Not available

11. TOXICOLOGICAL INFORMATION

Ingredient	Acute toxicity (oral)	Acute toxicity (dermal)	Acute toxicity - inhalation		
			Gas	Vapor	Dust/Mist
Zinc stearate	Not classified (5000mg/kg)	Classification not possible	Not applicable	Classification not possible	Not classified (50mg/L)
Skin Corrosion / Irritation					
Zinc stearate	The possibility of skin irritation has been reported in humans.				
Serious Eye Damage / Eye Irritation					
Zinc stearate	The possibility of eye irritation has been reported in humans.				
Target Organ / Systemic Toxicity (Single Exposure)					
Zinc stearate	The possibility of respiratory tract irritation has been reported in humans.				

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method	Dispose in accordance with the related laws and regulations.
Method of Consigning Waste Disposal	When disposing of the contents/container, consign them to a licensed industrial waste disposal operator with this sheet disclosed.

14. TRANSPORT INFORMATION

UN Number	Not applicable
Proper Shipping Name	Not applicable
UN Class	Not applicable
Packing Group	Not applicable
Marine Pollutant	Not applicable
Precautions for Loading	Handle the package with care to prevent it from being wet or broken.
Other Precautions	Follow general precautions as well as the other handling and storage precautions described in this document.

15. REGULATORY INFORMATION

Industrial Safety and Health Law	Dangerous or harmful substances subject to be notified their names, etc. (Law Article 57-2, Enforcement Order Article 18-2, Appended Table 9)	Zinc stearate
----------------------------------	--	---------------

16. OTHER INFORMATION

Reference

- 1) GHS Classification Results Database (National Institute of Technology and Evaluation, Japan)
- 2) GHS Model MSDS Information (Japan Advanced Information Center of Safety and Health, Japan Industrial Safety & Health Association)
- 3) Guideline for Creating a Material Safety Data Sheet (Japan Chemical Industry Association)
- 4) ezCRIC (Japan Chemical Database Ltd.)

This document ("Safety Data Sheet") is not a safety warranty.

Before handling this product, the users must read this "Safety Data Sheet" as reference, and take measures appropriate for their specific situation on their own responsibility.

The information on this "Safety Data Sheet" may be updated any time based on revised laws and regulations and new findings.

Before use of this product, it is recommended to check on not only the hazard and toxicity information but also the latest rules, regulations, and laws of your organization, area, or country.

To the best of our knowledge the information contained herein is accurate. However, we assume no liability for the accuracy or completeness of the information contained herein. Final determination of the suitability of any product is the sole responsibility of the user. All products may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.