

MATERIAL SAFETY DATA SHEET

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name :	NIKKALITE™ EG 8100 Series	<u>HMIS Codes</u>
Manufacture :	NIPPON CARBIDE INDUSTRIES CO., INC.	HEALTH : 0
Address :	Taiyo-Life Shinagawa Building, 22nd floor 16-2, 2-Chome Konan, Minato-ku, Tokyo 108-8466 JAPAN	FLAMMABILITY : 1
		REACTIVITY : 0
Telephone No. :	+81-3-5462-8225, Fax No.+81-3-5462-8271	
Emergency Tel. No. :	+81-3-5462-8206 (Retroreflective Materials Division)	
Email:	reflective_sds@carbide.co.jp	
Recommended use of Retroreflective Materials		
the product and		
restrictions on use :		

Section 2. HAZARDS IDENTIFICATION

GHS Classification

Physical hazards :	No classification
Health hazards :	No classification
Environmental hazards :	No classification

GHS Label Elements

Symbols / Pictograms :	Not applicable
Signal word :	Not applicable
Hazard statement :	Not applicable
Precautionary statement :	Not applicable

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient name</u>	<u>Percentage</u>	<u>CAS number</u>	<u>EINECS number</u>
Acrylic resin (surface layer)	17 ~ 24	—	—
Curing agent	2 ~ 5	—	—
Glass bead	23 ~ 33	65997-17-3	266-046-0
Aluminum	< 1	7429-90-5	231-072-3
Acrylic resin (adhesive layer)	8 ~ 14	—	—
Liner paper	30 ~ 40	—	—

Grade Number	Sheeting Color	Pigment	Percentage	CAS number
8112	White	No addition	—	—
8104	Yellow	Organic pigment Yellow	< 1	Commerce secret
8105	Red	Organic pigment Red	< 1	Commerce secret
8106	Blue	Organic pigment Blue	< 1	Commerce secret
8107	Orange	Organic pigment Orange	< 1	Commerce secret
8108	Green	Organic pigment Green	< 1	Commerce secret
8109	Brown	Organic pigment Brown	< 1	Commerce secret

**Section 4. FIRST AID MEASURES**

Not applicable.

**Section 5. FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media :

Carbon dioxide. Dry chemical. Foam. Water spray.

Fire-Fighting Equipment :

Wear full protective clothing, including helmet and face mask, self-contained, positive pressure or pressure demand breathing apparatus.

**Section 6. ACCIDENTAL RELEASE MEASURES**

Not applicable.

**Section 7. HANDLING AND STORAGE**

Precautions for Safety Storage :

Store in a cool place and keep dry. Store away from heat and direct sunshine.

Precautions for Safety Handling :

Handle under the normal usage

**Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

No special matters.

**Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odor :	Sheeting
pH :	Not applicable
Boiling point :	Not applicable
Melting point :	Not determined
Flash point :	Not determined
Ignition point :	Not determined
Vapor pressure :	Not applicable
Water Solubility :	Insoluble
Specific gravity :	1.2 ~ 1.5
Vapor density :	Not applicable
Evaporation rate :	Not applicable
Viscosity :	Not applicable

**Section 10. STABILITY AND REACTIVITY**

Stability :

Stable under the normal conditions.

Hazardous Polymerization :

Not occur.

**Section 11. TOXICOLOGICAL INFORMATION**

No special data are available.

**Section 12. ECOLOGICAL INFORMATION**

No specific data are available.

Since regulations vary, consult applicable regulations or authorities before disposal.

**Section 13. DISPOSAL CONSIDERATIONS**

Any disposal materials must be in compliance with local, state and federal laws and regulations.

**Section 14. TRANSPORTATION INFORMATION**

UN Number :	Not applicable
UN Class :	Not applicable
International restriction	
ADR / RID :	Not applicable
IMDG information :	Not applicable
Marine pollutant :	Not applicable
IATA information :	Not applicable

Any carton boxes must be confirmed damage.

Those boxes must be loaded up with no damage, no fall, no drop.

**Section 15. REGULATORY INFORMATION**

No special matters.

**Section 16. OTHER INFORMATION**

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials 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 which exist.

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