

**77242-2005**

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**MATERIAL SAFETY DATA SHEET (91/155/EEC)****Product****1. Declarations to the product**Commercial product name: **GLITTER MARKER SET-WARM SPECTRUM**

Manufacturer/Supplier: : LION PENCIL CO.,LTD

Street/PO.Box: NO.186, SEC.1,CHUNG-SHAN ROAD,PAN CHIAO,TAIPEI HSIEN,220, Taiwan,R.O.C

Nat. Code./Location:

Tel : +886-2-2963-1717

Information from Department: : Lion Laboratory

Date : 2010/12/09

**2. Chemical characterization**

Aqueous dispersion of pigments and resins

Hazardous ingredients according to 91/155/EEC:

Name	CAS.No.	%					
No	Ingredients	CAS. No.	Yellow	Gold	Orange	Red	Pink
1	Aluminum Powder	7429-90-5	13.0~15.0	13.0~15.0	13.0~15.0	13.0~15.0	13.0~15.0
2	Acrylic Copolymer	37325-11-4	49.0~52.0	49.0~52.0	49.0~52.0	49.0~52.0	49.0~52.0
3	Propylene Glycol Monomethyl Ether	107-98-2	5.0	5.0	5.0	5.0	5.0
4	Polyethylene Glycol	25322-68-3	17.0~20.0	17.0~20.0	17.0~20.0	17.0~20.0	17.0~20.0
5	Surfactant	39464-66-9	1.0	1.0	1.0	1.0	1.0
6	Triethanolamine	102-71-6	2.0	2.0	2.0	2.0	2.0
7	C.I.Pigment yellow 83	5567-15-7	6.0	5.0	5.0		
8	C.I.Pigment Red 170	2786-76-7		1.0	2.5	6.0	
9	C.I.Pigment Red 122	980-26-7					5.0

**3. Possible hazards**

none if used for intended purpose

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**4. First aid measures****after inhalation:**

If swallowed, seek medical advice. Precautions should be made for children under 3 year old as choking hazard may occur, even after the lids are used in the Markers form.

**after contact-with eyes:**

Rinse the affected eyes with plenty of water.

**General information**

If discomfort continues, consult a physician.

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**5. Fire-fighting measures****Suitable extinguishing media:**

Water, carbon dioxide or chemical foam

**Special hazards from its combustion products**

In case of fires, subsequent hazardous gases may be formed: CO, CO<sub>2</sub> and NO

**Fire fighting procedure**

When There is potential exposure to combustion products, a self-contained breathing Apparatus should be used.

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**6. Measures for accidental spillage****Person-related precautions:**Not required**Environmental precautions**

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**7. Handling and storage****Steps to be taken in case material is released or spilled**

Collect or shoveled carefully into containers for disposal

**Waste Disposal Method**

Waste disposal should be in accordance with existing federal, state & local environmental Regulations.

**Precautions to be taken in handling and storing :** None**Other Precautions :** None

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**8. Limits of exposition and protective clothing****Additional remarks relating technical equipments: Not required****Ingredients with limits to be controlled at the place of work: Not required****General measures of protection and hygiene: Not required**

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**9. Physical and chemical properties****Form: Liquid                      Colour: 6                      Odour: Odourless to mild****Melting Point :            n /a                      Flashpoint: n /a****Self Ignition temperature: n /a****Density: NA****Solubility in /miscibility with water: soluble**

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**10. Stability and reactivity****Stability : Stable****Thermal decomposition : n/a****Hazardous reactions : No dangerous reactions are known when handled and stored****Appropriately .****Hazardous decomposition products: May be released if burning occurred**

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**11. Declarations to toxicology****Ingestion: Not Provoking****Because our Glitter Marker also got the ASTM F963 , ASTM D-4236 & EN 71-3 non-toxic****approval.****Irritation in the eye: Not Provoking**

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**12. Remarks on ecology****Biodegradation: Not available****Fish Toxicity: Not available****The waste do not pour into the water will pollute the water.**

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**13. Disposal**

No special measures are needed as the waste is non-hazardous.

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**14. Regulations for transport**

UN-No.: None

Packing group: None

ADR/RID : None

Class: None

number: None

IMDG: None

Class: None

EmS: None

MFA: None

Marine Pollutant: None

ICAO-TI und IATA-DGR: None

Class: n.a.

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**15. Regulations according to directive 1999/45/EG**

Not classified as "dangerous" .

No labelling is required in accordance with to EEC directives.

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**16. Further Information:**

This preparation contains hazardous ingredients with following R-phrases:

The specifications are supplied to the best of knowledge.  
No claims may be derived from this data sheet.

This preparation contains no hazardous ingredients.

The MSDS issues by laboratory of Lion Pencil CO., Ltd.

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