

SAFFTY DATA SHEET (91/155/EEC)*Product***1. Declarations to the product**Commercial product name: **73-91457_PUPPY GARDENER**

Manufacturer/Supplier: : LION PENCIL CO.,LTD

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Nat. Code./Location: Tel : +886-2-2963-1717

Information from Department: : Lion Laboratory

Date : 2021/05/13

2. Chemical characterization

Aqueous dispersion of pigments and resins

Hazardous ingredients according to 91/155/EEC

	Ingredients	CAS No.	Composition(in % by weight)							
			1(WH) (#101)	2 (#4)	3 (#22)	4 (#28)	5 (#72)	6 (#78)	7(BL) (#100)	8(BO) (#108)
1	Hydroxy Ethylcellulose	9004-62-0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2	Dithio-2,2'-bis (benzmenthylamide)	2527-58-4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3	Propylene Glycol	57-55-6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
4	Dispersing agent N	9084-06-4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5	Calcium Carbonate	00471-34-1	13.7	12.2	13.74	13.0	14.4	13.5	24.9	12.9
6	Water	7732-15-5	45.8	41.9	43.85	46.4	46.5	42.96	51.6	47.47
7	Acylate Copolymer	25067-01-0 7732-15-5	15.0	23.4	27.5	27.0	24.0	27.0	15.0	28.0
8	Titanium Dioxide	13463-67-7	18.3	15.1	4.6	2.0	5.8	2.0		0.93
9	Brown Pigment	1309-37-1						5.0		
10	Red Pigment	2786-76-7		0.2						
11	Red Pigment	15782-05-5								
12	Ocher Pigment	51274-00-1			0.11	1.2		2.16		
13	Orange Pigment	6505-28-8					1.9			2.83
14	Pink Pigment	81-88-9					0.1			
15	Violet Pigment	6358-30-1								
16	Black Pigment	1333-86-4					0.1	0.18	1.3	
17	Yellow Pigment	6486-23-3			3.0	1.0				0.67
18	Yellow Pigment	6358-37-8								
19	Green Pigment	1328-53-6				2.2				
20	Blue Pigment	147-14-8								
21	FL. Pink Pigment	3068-39-1								
22	FL. Yellow Pigment	6358-69-6								
23	FL. Blue Pigment	3844-45-9								
24	SUM		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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3. Possible hazards

none if used for intended purpose

4. First aid measures

INHALATION: It is unlikely that emergency treatment will be required. Remove from exposure. Get medical attention, if needed.

SKIN CONTACT: If adverse effects occur, wash with soap or mild detergent and large amounts of water. Get medical attention, if needed.

EYE CONTACT: Wash with large amounts of water or normal saline until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

INGESTION: Contact local poison control center or physician immediately.

5. Fire-fighting measures

Suitable extinguishing media: Water, carbon dioxide or chemical foam

Special hazards from its combustion products:

Avoid inhalation of material or combustion by-products.

6. Measures for accidental spillage

OCCUPATIONAL RELEASE:

Collect spilled material in appropriate container for disposal.

7. Handling and storage

STORAGE: Store and handle in accordance with all current regulations and standards.

See original container for storage recommendations.

HANDLING: Use methods to minimize dust.

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

Other Precautions : None

8. Exposure Controls, Personal Protection

LION ACRYLIC COLOR : No occupational exposure limits established.

VENTILATION: Based on available information, additional ventilation is not required.

EYE PROTECTION: Eye protection not required under normal conditions.

CLOTHING : Protective clothing is not required under normal conditions.

GLOVES : Protective gloves are not required under normal conditions.

RESPIRATOR : No respirator is required under normal conditions of use. Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

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Physical Form: Paste Colour: 8 Odour: Odorless to mild
Melting Point : n /a Flash Point : n /a
Self Ignition temperature: n /a
Density: 1.2±0.2 kg/m³
Solubility in /miscibility with water : soluble

10. Stability and reactivity Stability

REACTIVITY : Stable at normal temperatures and pressure.
CONDITIONS TO AVOID : None reported.
INCOMPATIBILITIES : Oxidizing materials.
HAZARDOUS DECOMPOSITION : Thermal decomposition products, oxides of carbon .
POLYMERIZATION: Will not polymerize.

11. Declarations to toxicology

Product has been certified as non-toxic.
Lion Acrylic Colors also got the ASTM F963, D-4236 & EN 71-3 non-toxic approval.

12. Remarks on ecology

Biodedration : Not available
Fish Toxicity : Not available

13. Disposal

No special measures are needed us the waste is non-harzardous.

14. Regulations for transport

UN-No.: None Packing group: None
ADR/RID : None
Class: None number: None
IMDG: None
EmS: None MFA: None
Marine Pollutant : None ICAO-TI und IATA-DGR: None

15. Regulations according to directive 1999/45/EC

Not classified as "dangerous" .
No labelling is required in accordance with to EEC directives.

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Product

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 SDS issues by laboratory of **LION PENCIL CO., LTD.**