



SKIN MARKER MATERIAL SAFETY DATA SHEET According to European 91/155/EEC

Product: SKIN MARKER

Date: 25/02/14

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SKIN MARKER

SUPPLIER: Nilymed ltd.

Telephone number: +972-74-703-2220

Recommended use: Ink for markers with less than 2 ml ink fill.

2 COMPOSITION / INFORMATION ON INGREDIENTS

PREPARATION:

Chemical nature: Mixture based water, glycol, alcohol and dye.

ISOPROPYL ALCOHOL EINECS# 200-661-7 weight %: 10-20%

GENTIAN VIOLET USP EINECS# 208-953-6 weight % : < 6%

Components contributing to the Hazard:

Hazardous constituents: EINECS# 200-661-7 Hazard symbol: F
EINECS# 208-953-6

Risk phrases: R-45, 46, 20/22, 37/38, 41

3 HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS:

Adverse human health effects: May be harmful if swallowed, irritating to eyes and skin.

Environmental effects: Product degrades rapidly in the environment. Low aquatic toxicity.

Physical and chemical hazards:

-Fire or explosion: Burning and thermal decomposition may form toxic by products.

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Classification of the product:	According to European regulations, this product is classified as:
	F- Flammable
Further information:	In a usual writing situation, quantities of ink laid down or vapors emitted by the pen are normally too small to occasion significant exposure and cause adverse effects on the user's health.

4 FIRST AID MEASURES

Inhalation:	Move the affected person away from the Contaminated area and into the fresh air.
Skin contact:	Immediately wash and rinse with plenty of water.
Eye contact:	Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 min. minimum). Always refer to an eye specialist, even if there are no immediate symptoms.
Ingestion:	Never attempt to induce vomiting. Call a doctor immediately.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media:	Carbon dioxide (CO ₂) Foam Powders
Not suitable extinguishing media:	any to our knowledge. If there is a fire close by, Use suitable extinguishing agents.
Specific hazards:	During combustion: Toxic Vapors may be released.
Specific firefighting methods:	Do not attempt to fight the fire without suitable protective equipment.
Protection of fire-fighter:	Self-contained breathing apparatus. Complete protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin and eyes. Do not breathe vapors. Do not smoke.
Environmental precautions:	Do not discharge into drains and rivers.
Methods for cleaning up:	
-Neutralization:	Absorb spillage with: - Inert absorbent material - Earth or sand.

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-Cleaning/decontamination:	Wash non-recoverable remainder with large amounts of water.
-Disposal:	Dispose of contaminated materials in accordance with current regulations.

7 HANDLING AND STORAGE

HANDLING

Precautions:	Avoid any direct contact with the product. Work in a well-ventilated area.
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STORAGE

Storage conditions:

-Recommended:	Store: - In a cool, well-ventilated area - The container tightly closed - Away from any source of ignition Strong oxidizing agents
Incompatible materials:	
Packaging materials:	
- Not suitable:	Certain plastic materials

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits:	Isopropyl alcohol: 400 ppm STEL Gentian Violet: Not established
Personal protective equipment:	
- Respiratory protection:	In the event of insufficient ventilation: Suitable breathing apparatus
- Hand protection:	Impermeable protective gloves
- Eye protection:	Safety spectacles
- Skin and body protection:	Suitable clothing
Collective emergency equipment:	Eye fountain Safety shower
Hygiene measures:	Do not drink, eat or smoke in the workplace.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Low viscosity liquid
Color:	Violet
Odor:	Alcohol smell
PH:	~ 3-5
Flammability characteristics:	
- Flash point:	22°C
Auto-ignition temperature:	454°C
Explosive limits in air:	

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- Lower:	2.5%
- Upper:	12.7%
Vapor density (air=1):	2.1
Solubility:	
- In water:	Complete

10 PHYSICAL AND CHEMICAL PROPERTIES

Stability:	Stable at ambient temperature and under normal conditions of use.
Hazardous reactions:	
- Conditions to avoid:	None
- Materials to avoid:	-incompatible with strong oxidizing agents, peroxides, acids, acid chlorides, acid anhydrides, alkali metals.
- Hazardous decomposition Products:	On combustion releases: Carbon oxides (CO, CO ₂).

11 TOXICOLOGICAL INFORMATION

Acute toxicity:	Isopropyl alcohol (oral LD50): 5050 mg/kg Gentian violet (oral LD50) : 96 mg/kg
Acute symptoms:	On ingestion: Nausea Vomiting
Local effects:	At high concentrations, the vapors can be irritating to the eyes, nose and throat. Repeated or prolonged contact may cause irritation to the skin. Eye contact: may cause irritation.
Further information:	Above information is for the ink. The ink will be contained in plastic tube of a small capacity pen which will limit considerably the exposure possibilities for the user.

12 ECOLOGICAL INFORMATION

Product as is:	Avoid discharge of the product as is into the environment.
ECOTOXICITY:	
Effects on the aquatic environment:	May cause adverse effects to the aquatic environment.

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13 DISPOSAL CONSIDERATIONS

WASTE FROM PRODUCT:

Destruction/Disposal:

Dispose of in accordance with relevant local regulations

CONTAMINATED PACKAGING:

Destruction/disposal:

Destroy at an authorized site.

NOTE:

The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

14 TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS:

UN 1993 Flammable Liquid N.O.S (containing Isopropanol)
Class 3, Packaging Group III

TARRIFF CODE: 3215.90.5000

15 REGULATORY INFORMATION

EU LABELING:

Hazard Symbol: F

Symbols and indications of danger:

-R phrases:

R-45, 46, 20/22, 37/38, 41

-S phrases:

S-7, 16, 22, 45, 26, 36/37/39

16 OTHER INFORMATION

Restrictions on use:

This product must not be used for other applications than those mentioned in §1.