

MATERIAL SAFETY DATA SHEET

Created 01.01.2011 Revised 01.01.2012

1. Commercial Product name: 5 STAR PERMANENT MARKERS
BULLET: 296077 296093 296085 296107
500941
CHISEL: 296034 296050 296042 296069
500933

Company:



Spicers Ltd
Building 1000
Waterbeach
Cambridge
CB25 9PD

T: 01223 834555

2. Composition / Chemical characterization

Chemical name:	Compound
C.I. Number:	Solvent Black 27
CAS number:	64-17-5, 107-98-2
C.I. Number:	Basic Blue 7
CAS number:	64-17-5, 107-98-2
C.I. Number:	Red & Green (Unregistered)
CAS number:	64-17-5, 107-98-2

3. Hazard identification

eyes.

May be irritating to respiratory tract, skin and
eyes.
This product is not rapidly ignitable.
Use only with adequate ventilation.
Wash after handling.

4. First aid measures

Inhalation:

If inhaled, move to fresh air.
Perform artificial respiration if necessary.
Get medical attention immediately.

Eyes:
of

Flush eye with flowing water until no evidence
chemical remains (at last 15 minutes)

Skin:

If irritation develops consult an oculist.
Remove contaminated clothing and shoes
immediately.
Wash affected skin with soap and water.
Get medical attention immediately.

Ingestion:
vomiting.

If swallowed, dilute with water and induce
vomiting.
Get medical attention immediately.
Never give anything by mouth to unconscious

person.

5. Fire fighting measures:

Fire and explosion hazard: Not application
Suitable extinguishing media: Not application

6. Accidental release measures

- Personal precautions: Clean up with the appropriate personal equipment (see Section 8)
- Environmental precautions: Scoop or sweep and transfer into a closed container. Keep waste out of sewers.
- Method for cleaning up: Scoop or sweep into a container for reuse or disposal. Keep unnecessary person away.

7. Handling and storage

Store in cool dry place, keep container tightly closed. Do not inhale the substance and avoid contact with the skin or eyes. Wear protective clothing when handling open containers; avoid environmental pollution by handling the product carefully. Wash after handling. Use only with adequate ventilation.

8. Exposure control / Personal Protection

- Respiratory Protection: Local exhaust ventilation
Air purifying respirator
- Hand Protection: Rubber gloves
- Eye Protection: Safety goggles
- Skin Protection: Impervious clothing

9. Physical & Chemical properties

- Appearance: Black, Blue & Red Ink. Uniform liquid
- Odor: Alcohol smelling
- pH: 3.0 ∞ 6.5 (25°C)
- Viscosity: 4.0 ∞ 7.0 cPs (25°C, 60rpm)
- Specific gravity: 0.80 ∞ 0.95
- Surface tension: 24.0 ∞ 30.0 dyne/cm (25°C)
- Boiling point: 98°C
- Melting point: -112°C
- Flash point: 20°C
- Solubility in water: Not soluble
- Vapor density: 1.8 (Air = 1)
- Vapor pressure: Not application
- Flammability: Not application
- Explosive properties: Not application
- Oxidizing properties: Not application

Appearance: Green. Uniform liquid
- Odor: Alcohol smelling
- pH: 4.5 ± 1.5
- Viscosity: 5.0-7.0 cPs
- Specific gravity: 0.85 ∞ 0.90
- Surface tension: 33 ∞ 36 mN/m

- Boiling point:	78°C
- Melting point:	Not application
- Flash point:	Not application
- Solubility in water:	Not soluble
- Vapor density:	0.63 (Air = 1)
- Vapor pressure:	Not application
- Flammability:	Not application
- Explosive properties:	Not application
- Oxidizing properties:	Not application

10. Stability & Reactivity

Stability and reactivity:	stable under normal condition of storage and use
Hazardous reaction:	none
Hazardous decomposition products:	none

11. Toxicological information

- Actual oral toxicity:	no data available
- Skin irritation:	no data available

12 Ecological information

Elimination:	no data available
Behavior in environmental compartments:	no data available
Eco toxic Reaction:	no data available
Bacteria toxicity:	no data available

13. Disposal considerations

Ensure that disposal is in compliance with local and national regulations.

14. Transport information

GGV IMDG CODE:	none
ICAO/ IATA [∞] DGR:	not restricted
UN No.:	not restricted
RID/ ADR:	none

15. Information of Regulations

no data available

16. Other information

THESE PRODUCTS MUST BE USED ONLY IN THE PROPER WAY FOR PROPER USE.
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