

1100

97-4393
97-9495

97-5293
97-6021
97-6022-97-6025
1-269A-D

Material Safety Data Sheet

QUICK IDENTIFIER (IN PLANT COMMON NAME)

Berol Prismacolor Markers

Manufacturer's Name

Empire Berol USA - Division of Berol Corporation

Emergency Telephone No.

(615) 684-4133

Address

One Pencil Street / P.O. BOX 470
Shelbyville, TN 37160

Other Information Calls

(615) 684-4133

Signature of Person

Responsible for Preparation

J W Bender

Date Prepared

06/03/94

SECTION 1 - IDENTITY

Common Name: (used on label)

(TRADE NAME & SYNONYMS)

Berol Prismacolor Markers

Chemical Name

Solvent Based Permanent Marker

Chemical Family

N/A

Formula

Proprietary

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s)

(chemical & common name(s))

CAS #

%

Threshold Limit

value (units)

As a manufactured item, this product conforms to 16-CFR-1500 Consumer Products Safety Act, and is therefore exempt from the OSHA Hazard Communication Law. This Material Safety Data Sheet is provided as a service to our customers, but is not required by law. In normal use, in the marker form, these products are NOT HAZARDOUS.

These markers are certified by ACMI, The Arts and Craft Materials Institute They carry the AP Seal and as such conform to ASTM D-4236

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point

97 C

Specific Gravity (H2O=1)

0.82 - 0.85

Vapor Pressure (mm Hg)

15 mm @ 20 C

Percent Volatile by volume (%)

92 - 97 %

Vapor Density (Air=1)

2.07

Evaporation Rate (BUA=1)

1.0

Solubility in Water

Incomplete

Reactivity in Water

None

Appearance & Odor

Black barrel, end plug and cap indicates color.

Flash Point

15 C

Flammable Limits in

Air % by Volume

Lower

Upper

2.1%

13.5%

Extinguisher Media

Dry Chemical, Foam, CO2

Auto Ignition Temperature

440C

Special Fire Fighting Procedures

(1) In the pen, none is needed.

(2) In bulk, self-contained breathing apparatus is recommended

Unusual Fire & Explosion Hazards

Slight fire and explosion hazard when exposed to high heat, open flames, oxidizers

028892

Datafit

SECTION 4 - PHYSICAL HAZARDS

Stability Unstable { } Condition
Stable {XX} to Avoid None Anticipated

Incompatibility (Materials to Avoid)
None Anticipated

Hazardous Decomposition Products CO and other toxic gases may be emitted
on thermal decomposition products

Hazardous Polymerization May Occur { } Condition
Will Not Occur {XX} to Avoid None Anticipated

SECTION 5 - HEALTH HAZARDS

Threshold Limit Value

Not Established

Signs and Symptoms of Exposure

1) Acute Overexposure

None Anticipated

2) Chronic Overexposure

None Anticipated

Medical Conditions Generally Aggravated by Exposure

None Anticipated

| Chemical listed as Carcinogen or Potential Carcinogen | National Toxicology Program | Yes { } No {XX} | I.A.R.C. Monographs | Yes { } No {XX} | OSHA | Yes { } No {XX} |
|--|--------------------------------|--------------------|------------------------|--------------------|---------------------------|--------------------|
| OSHA Permissible Exposure Limit | ACGIH Threshold Limit Value | | | | Other Exposure Limit Used | |
| None | None | | | | None | |

Emergency and First Aid Procedures

UNDER NORMAL USE, NONE IS REQUIRED. IF THE PRODUCT IS MISUSED AND ILL EFFECTS
FELT. SEE BELOW.

1) Inhalation

Remove to fresh air

2) Eyes

Flush with water for at least 15 mins. If irritation persists, consult a physician

3) Skin

Wash exposed area with soap and water. If irritation persists, consult a physician

4) Ingestion

Seek medical attention

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify type)

NA

| Ventilation | Local Exhaust | Mechanical (General) | Special | Other |
|--------------|---------------|----------------------|---------|-------|
| Not Required | Not Required | None | None | None |

Protective Gloves

None required under normal use

Eye Protection

None required under normal use

Other Protective Clothing or Equipment

None required under normal use

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling & Storage

Keep away from high heat and open flames

Other Precautions

Avoid skin contact

Steps to be Taken in Case Material is Released or Spilled

Normal clean up

Waste Disposal Methods

Dispose of in accordance with CFR-49 and local ordinances