

Safety Data Sheet Metron Solvent Resistant Ink

SECTION 1: Identification

1.1 Product identifier

Product name	Metron Solvent Resistant Ink
Product number	SR 1-7
Brand	Metron Marker

1.4 Supplier's details

Name	Metron Optics
Address	302 Washington Street, #145 San Diego, CA 92103 USA

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

2.2 GHS label elements, including precautionary statements

Signal word	Warning
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2.3 Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. EPICHLOROHYDRIN

Concentration	0.17 - 0.17 %
EC no.	203-439-8
CAS no.	106-89-8
Index no.	603-026-00-6

- Flammable liquids (chapter 2.6), Cat. 3
- Carcinogenicity (chapter 3.6), Cat. 1B
- Acute toxicity (chapter 3.1), Cat. 3

Safety Data Sheet

Metron Solvent Resistant Ink

- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Sensitization, skin (chapter 3.4), Cat. 1

H226	Flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H350	May cause cancer

2. Isopropal Alcoholol

Concentration	$\geq 0.5 - 5 \%$
CAS no.	67-63-0

3. Polycarboxylate

Concentration	$\geq 1 - \leq 5 \%$
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4. Copolymer Resin

Concentration	$\geq 30 - \leq 80 \%$
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5. Aziridine, polymer with oxirane

Concentration	$\geq 1 - \leq 30 \%$
CAS no.	26658-46-8

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Flush affected areas with water.
If inhaled	No data available.
In case of skin contact	Flush affected areas with water. Not a significant dermal hazard.
In case of eye contact	Not expected to produce ocular irritation or eye injury
If swallowed	No data available.
Personal protective equipment for first-aid responders	No data available.

4.2 Most important symptoms/effects, acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

Safety Data Sheet

Metron Solvent Resistant Ink

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water

5.2 Specific hazards arising from the chemical

No data available.

5.3 Special protective actions for fire-fighters

No data available.

Further information

In dried concentrated form NIOSH approved SCBA and protective clothing. Ink as provided contains less than 0.17% concentration

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wipe up. Normal housekeeping procedures.

OTHER PRECAUTION: California safe drinking water act: Epichlorohydrin is known to cause cancer, birth defects or other reproductive harm. No Safety limits.

7.2 Conditions for safe storage, including any incompatibilities

Not considered an RCRA hazardous waster under 40 CFR 261

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: 106-89-8

Epichlorohydrin

Cal/OSHA: 0.05 ppm PEL inhalation; NIOSH: Ca, See Appendix A REL inhalation; OSHA: 5 ppm PEL inhalation; 19 mg/m³ PEL inhalation

8.3 Individual protection measures, such as personal protective equipment (PPE)

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form

Color Of Pigments Added

Odor

Odor threshold

pH

Melting point/freezing point

Initial boiling point and boiling range

Water - 212

Flash point

Evaporation rate

Safety Data Sheet

Metron Solvent Resistant Ink

Flammability (solid, gas)	
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	At 25 (as for water)
Vapor density	.06 as for water
Relative density	
Solubility(ies)	Completely mixable
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.6 Hazardous decomposition products

Will not occur

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

STOT-single exposure

No data available.

Safety Data Sheet

Metron Solvent Resistant Ink

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Not considered an RCRA hazardous waster under 40 CFR 261

Other disposal recommendations

California safe drinking water act: Epichloronydrin is known to cause cancer, birth defects or other reproductive harm. No safety limits.

SECTION 14: Transport information

14.1	UN Number	None
14.2	UN Proper Shipping Name	None
14.3	Transport hazard class(es)	None
14.4	Packing group	None
14.5	Environmental hazards	None
14.6	Special precautions for user	None
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Safety Data Sheet

Metron Solvent Resistant Ink

Massachusetts Right To Know Components

Chemical name: Epichlorohydrin

CAS number: 106-89-8

New Jersey Right To Know Components

Common name: EPICHLOROXYDRIN

CAS number: 106-89-8

Pennsylvania Right To Know Components

Chemical name: Oxirane, (chloromethyl)-

CAS number: 106-89-8

California Prop. 65 components

Chemical name: EPICHLOROXYDRIN

CAS number: 106-89-8

10/01/1987 - cancer

09/01/1996 - male

SECTION 16: Other information