

**Producer**

**SIGMA INK**

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Solana Beach, CA 92075  
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**Responsible for distribution**

**PRINTEX**

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**Date: December 4, 2012**

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

Trade name: MP 203 AGGRESSIVE HARDENER  
Type of product: Ink additive  
Use: Industrial.  
Producer/Manufacturer: See address above.

**For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident**

**Call CHEMTREC Day or Night**

**Within USA and Canada: 1-800-424-9300**

**Outside USA and Canada: +1 703-527-3887 (collect calls accepted)**

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS No / EC No /	Symbol(s)	R-Phrase(s)
N-(3-(trimethoxysilyl)propyl): ethylenediamine VOC(w%): 0	90 to 100 %	1760-24-3 / 217-164-6 / -----	Xi	36/38-43

**3. HAZARDS IDENTIFICATION**

Main hazards: May cause sensitization by skin contact.  
Irritating to eyes and skin.

**4. FIRST AID MEASURES**

- Inhalation : If not breathing, give artificial respiration.  
Remove victim to fresh air.  
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water,  
followed by warm water rinse.  
- Eye contact : Seek medical advice.  
In case of eye contact, immediately rinse with clean water for 10-15 minutes.  
- Ingestion : If swallowed seek medical advice immediately and show this container or label.  
DO NOT INDUCE VOMITING.  
Rinse mouth.  
Give water to drink.

Depending on condition of the victim: Obtain medical attention.

**5. FIRE-FIGHTING MEASURES**

Extinguishing media: Dry chemical.  
Carbon dioxide.  
Alcohol resistant foam.  
- Not to be used: Water.

Special exposure hazards:  
Protection against fire :

When heated to decomposition, emits dangerous fumes.  
Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear suitable protective clothing and gloves.
Environmental precautions:	Prevent entry to sewers and public waters.
After spillage and/or leakage:	Dike for recovery or absorb with appropriate (non-flammable) material.

## 7. HANDLING AND STORAGE

General:	Avoid all unnecessary exposure. Store according to PGS 15.
Precautions in handling and storage:	Good ventilation of the workplace required. Take precautionary measures against static discharges.
Storage:	Close cover tightly after use. Keep away from food, drink and animal feeding stuffs.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection:	Nitrilrubber Gloves.
- Skin protection:	Wear suitable protective clothing.
- Eye protection:	Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.
Colour:	Clear.
Odour:	Characteristic.
pH value:	10.2
Initial boiling point [°C]:	74
Final boiling point [°C]:	101
Density:	1.03
Flash point [°C]:	90

## 10. STABILITY AND REACTIVITY

Hazardous decomposition products:	On exposure to high temperature, may decompose, releasing toxic/flammable vapors.
Materials to avoid:	Strong oxidizers. Strong acids.
Conditions to avoid:	Extremely high or low temperatures. Moisture.

## 11. TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg]:	7684
Rabbit dermal LD50 [mg/kg]:	>2000
Rat inhalation LC50 [mg/l/4h]:	>20

## 12. ECOLOGICAL INFORMATION

48 Hour-EC50 - Daphnia magna [mg/l]:	81
IC50 72h Algae [mg/l]:	126
COD-value [mg/l]:	No data available.
BOD5-value [mg/l]:	No data available.

WGK class (Germany): 1

### 13. DISPOSAL CONSIDERATIONS

Disposal: Dispose in a safe manner in accordance with local/national regulations.  
Industrial waste number: Eural:200127.

### 14. TRANSPORT INFORMATION

General information: "Not dangerous " according to directive 2001/60/EC.

### 15. REGULATORY INFORMATION

Symbol(s): Irritant.  
R Phrase(s): R36/38: Irritating to eyes and skin.  
R43: May cause sensitization by skin contact.  
S Phrase(s): S24: Avoid contact with skin.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S35: This material and its container must be disposed of in a safe way.  
S37: Wear suitable gloves.  
S51: Use only in well-ventilated areas.  
S59: Refer to manufacturer/supplier for information on recovery/recycling.  
P Phrase(s): P201: For professional use only.

### 16. OTHER INFORMATION

Text of R-Phrases in § 2:  
R36/38 Irritating to eyes and skin.  
R43: May cause sensitization by skin contact.

The contents and format of this SDS are in accordance with EEC Commission Directive 2001/58/EC.

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