

# Safety Data Sheet

according to OSHA Hazard Communication 29 CFR Part 1910.1200

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

. Product identifier

SDS Revision Date: 4/20/17

Product form : Mixture  
Product name : HD-80 Part A  
Product code : HD-80 Part A

Relevant identified uses of the substance or mixture: Flexographic Ink dissolver

Details of the supplier of the safety data sheet

Pamarco

500 Wharton Circle SW

Atlanta, GA. 30336

PHONE: (404) 691-1700

Emergency telephone number: Same as office phone

## SECTION 2: Hazards identification

Classification of the substance or mixture

Label Elements



Hazard Pitograms (GHS-US)

Signal word (GHS-US)

: Warning

Precautionary Statements:

Wash hands and forearms thoroughly after handling  
Wear protective gloves/eye protection/face protection  
If swallowed: rinse mouth. Do NOT induce vomiting  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
If inhaled: Remove person to fresh air and keep comfortable for breathing  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a poison center/doctor  
Specific treatment (see First aid measures on this label)  
Wash contaminated clothing before reuse  
Store locked up  
Dispose of contents/container in accordance with local/regional/national/international regulations

The hazards listed are for the concentrate. This is designed to be diluted with water. At use levels the handling and label elements are as follows: Label Elements  
Hazard Pitograms (GHS-US) None  
Signal word (GHS-US) :Warning

Other hazards

No additional information available

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SECTION 3: Composition/information on ingredients		
Name	Product identifier (cas#)	% Range
Silicate Acid Salt	Mixture	10-20

Partial contents or exact percentage are trade secret

## SECTION 4: First aid measures

Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call doctor/physician if any irritation occurs.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physic

## SECTION 5 Firefighting Measures

Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Reactivity : Thermal decomposition generates : Corrosive vapors.

Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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## SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

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Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.  
Store away from other materials.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/mist/spray. Avoid contact during pregnancy/while nursing.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from  
: Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition.

Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

Control parameters

No exposure limit values known

### Acute Toxicity

#### Silicate Mixture

> 5000 mg/kg body weight (Rat; Read-across; OECD 402: Acute Dermal Toxicity)

Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and Body Protection : Wear suitable protective clothing.

Respiratory protection : Wear appropriate mask

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

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Color : Clear  
Odor : Characteristic  
Odor threshold : No data available  
pH : 11.5 +/- .5  
Relative evaporation rate (butyl acetate=1) : No data available  
Melting point : Not Applicable  
Freezing point : No data available  
Boiling point : 212 - 220 °F  
Flash point : ≥ 200 °F  
Voc : Not tested  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : No data available  
Vapor pressure : No data available  
Voc content : 0  
Relative vapor density at 20 °C : Same as water  
Relative density : No data available  
Solubility : Soluble in water. :  
Water: Solubility in water of component(s) of the mixture : Complete  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidizing properties : No data available  
Explosive limits : No data available

## Other information

No additional information available

## SECTION 10: Stability and reactivity

Reactivity :  
Chemical stability : Stable under normal conditions. Not established.  
Possibility of hazardous reactions : Not established.  
Conditions to avoid : Extremely high or low temperatures.  
Incompatible materials : Strong acids. Strong bases.  
Hazardous decomposition products/fume. :

## SECTION 11: Toxicological information

### Information on toxicological effects

Acute toxicity : Harmful if swallowed. Harmful in contact with skin.

Complex Silicate	: The acute oral toxicity of this product has not been tested. Similar systems were tested on a 100% solids basis, their single dose acute oral LD50 in rats ranged from 1500 mg/kg to 3200 mg/kg.

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## SECTION 12: Ecological information

### Toxicity

#### Silicate Mixture

: Not specifically tested, however based on similar tests we expect the following: : The following data is reported for chemically similar material on a 100% solids basis: A 96 hour median tolerance for fish (*Gambusia affinis*) of 2320 ppm; a 96 hour median tolerance for water fleas (*Daphnia magna*) of 247 ppm; a 96 hour median tolerance for snail eggs (*Lymnea*) of 632 ppm; and a 96 hour median tolerance for Amphipoda of 160 ppm.

Persistence and degradability : Not established.  
Bioaccumulative potential : Not established.  
Mobility in soil : No additional information available  
Other adverse effects : Effect on ozone layer : No additional information available  
Effect on the global warming : No known ecological damage caused by this product.  
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT

Other information : No supplementary information available.

ADR

Transport document description :

Transport by sea : No additional information available

Air transport : No additional information available

## SECTION 15: Regulatory information

US Federal regulations

No additional information available

International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

National regulations

No additional information available

US State regulations

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## SECTION 16: Other information

Other information : None.

Full text of H-phrases: see section 16:

HMIS III Rating

Health : 2

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

Other information : None.

SDS US (GHS HazCom 2012)