

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

## 1.1. Product identifier

Product form : Mixture  
 Product name : Ultra 101  
 Product code : FLC1 Super Concentrate Flexo Ink Dissolver Med pH

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Industrial Cleaner

## 1.3. Details of the supplier of the safety data sheet

American Solutions LLC  
 72 Second Ave Paterson, N.J. 07514  
 PHONE: (973-949-4098 )

## 1.4. Emergency telephone number

Emergency number : INFOTRAC: 800-535-5053

**SECTION 2: Hazards identification**

**NOTE: This is a super concentrate designed to be diluted for regular use. The MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.**

## 2.1. Classification of the substance or mixture

## 2.2 Label Elements



Hazard Pictograms (GHS-US)

Signal word (GHS-US) : Danger

**Acute Effects**

**Eyes** Can cause eye burns. Direct contact with the eyes can cause irreversible damage, including blindness.

**Skin** Can cause skin irritation. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

**Inhalation** Avoid breathing vapors, spray or mists. Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Can cause central nervous system (CNS) depression.

**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

**Routes of Entry** . Dermal contact, Eye Contact, Inhalation, Ingestion

## 2.3 Other hazards

No additional information available

SECTION 3: Composition/information on ingredients		
Name	Product identifier (cas#)	% Range
Water	7732-18-5	40-60
Sodium Hydroxide	1310-583	1-10
Phosphoric Acid	7664-38-2	1-10
Silicate Acid Salt	Mixture	10-20
Tetra Potassium Pyro Phosphate	7320-34-5	1-10
Nonyl Phenol Ethoxolate	9016-45-9	10-20
Surfactant Blend	Mixture	5-10

Partial contents and percentages are left off as a trade secret

#### SECTION 4: First aid measures

##### 4.1. 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

##### 5.1. Extinguishing media

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

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

##### 5.2. Special hazards arising from the substance or mixture

Reactivity : Thermal decomposition generates : Corrosive vapors.

##### 5.3. 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.

##### 5.3. 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.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

###### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

##### 6.2. Environmental precautions

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

### 6.3. Methods and material for containment and cleaning up

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.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1 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.

### 7.2. 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.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No exposure limit values known

### Acute Toxicity

#### Potassium Hydroxide

Oral LD50 (rat) 273 mg/kg, Irritation Data: Eyes (rabbit) 1 mg (24hr) moderate; Skin(human): 50 mg (24hr) severe; skin (rabbit) 50 mg (24 hr) severe

No other exposure limit values known

#### Sodium Hydroxide

Sodium hydroxide (1310-73-2) US. ACGIH Threshold Limit Values Ceiling Limit Value: 2 mg/m<sup>3</sup> US.

Toxicity Data for Sodium hydroxide Acute oral toxicity LD50: 140 - 340 mg/kg (Rat)

Acute dermal toxicity LD50: 1,350 mg/kg (rabbit)

#### Phosphoric Acid

USA OSHA PEL 1 mg/m<sup>3</sup> STEL 3 mg/m<sup>3</sup> (15 minutes)

USA ACGIH TLV 1 mg/m<sup>3</sup> STEL 3 mg/m<sup>3</sup> (15 minutes)

USA OSHA PEL 1 mg/m<sup>3</sup> STEL 3 mg/m<sup>3</sup> (15 minutes)

USA NIOSH REL 1 mg/m<sup>3</sup> STEL 3 mg/m<sup>3</sup> (15 minutes)

#### Silicate Mixture

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

#### Tetra Potassium Pyro Phosphate

Skin-Rabbit LD50: >4640 mg/kg

## 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.  
Hand protection : Suggested to Wear protective gloves/eye protection/face protection protective gloves.  
Eye protection : Suggested Chemical goggles or safety glasses.  
Skin and Body Protection :Suggested 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  
Color : Blue  
Odor : Characteristic  
Odor threshold : No data available  
pH : 12.0 +/- .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  
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

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

10.1. Reactivity :  
10.2. Chemical stability :Stable under normal conditions. Not established.  
10.3. Possibility of hazardous reactions :Not established.

10.4. Conditions to avoid :Extremely high or low temperatures.

10.5. Incompatible materials :Strong acids. Strong bases.

10.6. Hazardous decomposition productsfume. :

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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

#### Acute Toxicity

Phosphoric Acid	: LD50 [oral, rat]; 1530 mg/kg LC50 [rabbit]; 1.689 mg/L (1 hour) LD50 Dermal (rabbit); 2740 mg/kg
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.
Tetra Potassium Pyro Phosphate	: Acute Toxicity > 4640 mg/kg Skin Rabbit NDA LD50 NDA NDA NDA Acute Toxicity > 1000 mg/kg Ingestion/Oral Rat NDA LD50 NDA NDA NDA Acute Toxicity 2444 mg/kg Ingestion/Oral Rat NDA LD50 NDA NDA NDA
Nonylphenol, ethoxylated	LD50 DERMAL rabbit >3000 mg/kg LD ORAL Rat 3314 mg/kg

#flc1	
ATE US (oral)	Not calculated
ATE US (Dermal)	Not calculated

## SECTION 12: Ecological information

### 12.1. 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.

#### Sodium Hydroxide

LC50 fish 1: 28.6 mg/l (24 h; Pisces; Pure substance), LC50 other aquatic organisms 1 100 - 1000 mg/l (96 h)  
LC50 fish 2 80 mg/l (96 h; *Gambusia affinis*; Pure substance), Threshold limit other aquatic organisms 1 100 - 1000,96 h

#### Tetra Potassium Pyro Phosphate

No Data available

#### Complex Phosphate

No Data available

#### tetrasodium ethylene diamine tetracetate (64-02-8)

LC50 fish 1 121 mg/l (96 h; *Lepomis macrochirus*; Soft water), EC50 *Daphnia* 1 625 mg/l (24 h; *Daphnia magna*)  
LC50 fish 2 600 mg/l (96 h; *Lepomis macrochirus*; pH > 7) Threshold limit algae 1 > 100 mg/l (72 h; *Scenedesmus subspicatus*; Growth)

#### Nonylphenol, ethoxylated

Acut LC50 96 hours Fish 1 mg/l 96 hours Fish 7.6 mg/l 96 hours 8.6 mg/l

12.2. Persistence and degradability : Not established.

12.3. Bioaccumulative potential : Not established.

12.4. Mobility in soil : No additional information available  
12.5. 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

##### 13.1. 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

UN Number:

UN3266

Shipping Name: Corrosive, liquid, basic, inorganic, N.O.S. (Sodium Metasilicate)

Transport Hazard Class: 8

Packing Group: II

Marine Pollutant: NO

#### SECTION 15: Regulatory information

##### 15.1. US Federal regulations

**California Prop 65** : **WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

Ingredient name	Cancer	Reproductive
Ethylene oxide	Yes.	Yes.

#### 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

Revision date : 01/01/15

Other information : None.

SDS US (GHS HazCom 2012)