

Revision Date 05/14/2014

Revision 5



## SAFETY DATA SHEET PLUS XL

### 1. IDENTIFICATION

<b>Product Name</b>	PLUS XL
<b>Identified uses</b>	Industrial use: Screen printing
<b>Uses advised against</b>	The product should not be used for any purpose, other than that described above.
<b>Supplier</b>	MacDermid Autotype Inc. 1675 Winnetka Circle, Rolling Meadows, IL 60008, USA T: 001 847 818 8262 F: 001 847 818 8280 e: SDS@macdermidautotype.com
<b>Emergency Telephone</b>	800-424-9300 (Chemtrec, 24 hours)

### 2. HAZARD(S) IDENTIFICATION

#### GHS Pictogram



<b>Signal Word</b>	Warning	
<b>Hazard Statements</b>	H317	May cause an allergic skin reaction.
<b>Precautionary Statements</b>	P280	Wear protective clothing and gloves.
	P501	Dispose of contents/container in accordance with local regulations.
<b>GHS Classification</b>	Physical and Chemical Hazards	Not classified.
	Human health	Skin Sens. 1 - H317
	Environment	Not classified.

### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

#### WHMIS Label



Materials Causing Other  
Toxic Effects.

#### Controlled Product Classification

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

#### Skin Contact

The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

## PLUS XL

PROPYLIDYNE TRIMETHYLOL, ETHOXYLATED, ESTERS WITH ACRYLIC ACID		5-10%
CAS No.: 28961-43-5	EC No.: 500-066-5	
GHS Classification Eye Irrit. 2 - H319; Skin Sens. 1 - H317		
5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE / 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)		< 1%
CAS No.: 55965-84-9	EC No.:	
GHS Classification Acute Tox. 3 - H301; Acute Tox. 3 - H311; Acute Tox. 2 - H330; Skin Corr. 1B - H314; Skin Sens. 1 - H317; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410		

#### 4. FIRST-AID MEASURES

##### Description of first aid measures

###### **Inhalation**

Unlikely route of exposure as the product does not contain volatile substances.

###### **Ingestion**

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort continues.

###### **Skin Contact**

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

###### **Eye Contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

##### Most important symptoms and effects, both acute and delayed

###### **Inhalation**

No specific symptoms noted.

###### **Ingestion**

May cause discomfort if swallowed.

###### **Skin Contact**

Allergic rash.

###### **Eye Contact**

May cause temporary eye irritation.

##### Indication of any immediate medical attention and special treatment needed

###### **Notes To The Physician**

No specific first aid measures noted.

#### 5. FIRE-FIGHTING MEASURES

###### **Auto Ignition Temperature (°C)**

Not available.

###### **Flammability Limit - Lower(%)**

Not available.

###### **Flammability Limit - Upper(%)**

Not available.

###### **Flash point (°C)**

Not available.

###### **Extinguishing Media**

Extinguish with foam, carbon dioxide, dry powder or water fog.

###### **Unsuitable extinguishing media**

None known.

## PLUS XL

### Hazardous combustion products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### Protective Equipment For Fire-Fighters

Use protective equipment appropriate for surrounding materials.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this material safety data sheet. In case of spills, beware of slippery floors and surfaces.

### Environmental Precautions

Avoid discharge into water courses or onto the ground.

### Spill Clean Up Methods

Stop leak if possible without risk. Collect spillage with granulates, sawdust, rags or other absorbent.

## 7. HANDLING AND STORAGE

### Handling

Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Promptly remove any clothing that becomes wet. Wash promptly if skin becomes wet.

### Storage

Store in tightly closed original container in a dry and cool place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredient Comments

No exposure limits noted for ingredient(s).

### Engineering Measures

Provide adequate ventilation.

### Respiratory Equipment

Respiratory protection not required.

### Hand Protection

Wear protective gloves. Butyl rubber gloves are recommended. Neoprene gloves are recommended. Nitrile gloves are recommended.

### Eye Protection

Wear approved, tight fitting safety glasses where splashing is probable.

### Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid
<b>Color</b>	Blue.
<b>Odor</b>	Characteristic.
<b>Solubility</b>	Miscible with water
<b>Initial boiling point and boiling range</b>	100 °C (212 °F)
<b>Melting point (°C)</b>	Not applicable.
<b>Relative density</b>	1.0 g/ml @ 20 °C (68 °F)
<b>Vapor density (air=1)</b>	Not applicable.
<b>Evaporation rate</b>	Not available.
<b>pH-Value, Conc. Solution</b>	4 - 6
<b>Viscosity</b>	Not available.
<b>Decomposition temperature (°C)</b>	Not available.
<b>Flash point</b>	Not available.
<b>Auto Ignition Temperature (°C)</b>	Not available.

## PLUS XL

**Flammability Limit - Lower(%)**

Not available.

**Flammability Limit - Upper(%)**

Not available.

**Oxidising properties**

Does not meet the criteria for oxidising.

**Volatile Organic Compound (VOC)** 0 g/litre

## 10. STABILITY AND REACTIVITY

**Reactivity**

There are no known reactivity hazards associated with this product.

**Stability**

Stable under normal temperature conditions and recommended use.

None known.

**Conditions To Avoid**

There are no known conditions that are likely to result in a hazardous situation.

**Materials To Avoid**

No specific, or groups of materials are likely to react to produce a hazardous situation.

**Hazardous Decomposition Products**

None at ambient temperatures.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological information**

No data recorded.

## 12. ECOLOGICAL INFORMATION

**Toxicity**

The product is not expected to be hazardous to the environment.

**Degradability**

The product is expected to be biodegradable.

**Bioaccumulative potential**

The product does not contain any substances expected to be bio-accumulating.

**Mobility:**

Mobile. The product is miscible with water. May spread in water systems.

**Other adverse effects**

None known.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Dispose of contents/container in accordance with local regulations. Contact specialist disposal companies. Liquid components can be disposed of by incineration. Small quantities in an industrial wastewater stream are easily treated in biological treatment systems.

**Waste Class**

Not classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261

## 14. TRANSPORT INFORMATION

**General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

**DOT Hazard Class**

Not regulated.

**Transport Labels**

No transport warning sign required.

**Environmentally Hazardous Substance/Marine Pollutant**

No.

## 15. REGULATORY INFORMATION

## PLUS XL

**US Federal Regulations****Federal Regulations Comments**

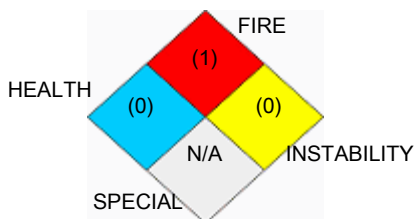
SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. TSCA: The ingredients of this product are on the TSCA Inventory.

**US State Regulations****State Regulations Comments**

State and local regulations may apply.

**16. OTHER INFORMATION****HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

HEALTH	1
FLAMMABILITY	1
PHYSICAL	0
PERSONAL PROTECTION	B

**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)****Revision Comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision Date** 05/14/2014

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**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.