

Revision Date 05/12/2015

Revision 6



## SAFETY DATA SHEET CPS SCREEN WASH A6

### 1. IDENTIFICATION

<b>Product Name</b>	CPS SCREEN WASH A6
<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: technical@cps.eu
<b>Manufacturer</b>	CPS - Chemical Products and Services, Grove Road, Wantage, Oxfordshire, OX12 7BZ UNITED KINGDOM T: +44 (0) 1235 773240 F: +44 (0) 1235 771196 e: technical@cps.eu
<b>Emergency Telephone</b>	800-424-9300 (Chemtrec, 24 hours)

### 2. HAZARD(S) IDENTIFICATION

#### EMERGENCY OVERVIEW

This Product is Hazardous under the OSHA Hazard Communication Standard. This product is hazardous under the Workplace Hazardous Materials Information System (WHMIS)

#### GHS Pictogram



<b>Signal Word</b>	Warning	
<b>Hazard Statements</b>	H227 H319 H336 H412	Combustible liquid. Causes serious eye irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.
<b>Precautionary Statements</b>	P261 P280 P501	Avoid breathing vapour/spray. Wear eye protection. Dispose of contents/container in accordance with local regulations.
<b>GHS Classification</b>	Physical and Chemical Hazards Human health Environment	Flam. Liq. 4 - H227 Eye Irrit. 2 - H319;STOT SE 3 - H336 Aquatic Chronic 3 - H412

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

## CPS SCREEN WASH A6

(2-METHOXYMETHYLETHOXY)PROPANOL	10-30%
CAS No.: 34590-94-8	EC No.: 252-104-2
GHS Classification Not classified.	
HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE	5-10%
CAS No.: 64742-94-5	EC No.: 265-198-5
GHS Classification STOT SE 3 - H336; Asp. Tox. 1 - H304; Aquatic Chronic 2 - H411	
1-METHOXY-2-PROPANOL	5-10%
CAS No.: 107-98-2	EC No.: 203-539-1
GHS Classification Flam. Liq. 3 - H226; STOT SE 3 - H336	
PROPYLENE CARBONATE	1-5%
CAS No.: 108-32-7	EC No.: 203-572-1
GHS Classification Eye Irrit. 2 - H319	
ETHOXYLATED C13 ALCOHOLS	1-5%
GHS Classification Acute Tox. 4 - H302; Eye Dam. 1 - H318	
ETHOXYLATED C9-C11 ALCOHOLS	1-5%
CAS No.:	EC No.:
GHS Classification Acute Tox. 4 - H302; Eye Dam. 1 - H318	

#### 4. FIRST-AID MEASURES

##### Description of first aid measures

###### **Inhalation**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

###### **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.

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

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

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### 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

Vapors may cause drowsiness and dizziness.

#### Ingestion

May cause stomach pain or vomiting.

#### Skin Contact

Prolonged skin contact may cause redness and irritation.

#### Eye Contact

Irritating and may cause redness and pain.

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

#### Notes To The Physician

No specific first aid measures noted.

## 5. FIRE-FIGHTING MEASURES

<b>Auto Ignition Temperature (°C)</b>	446 °F (230 °C)
<b>Flammability Limit - Lower(%)</b>	0.6 %
<b>Flammability Limit - Upper(%)</b>	15.6 %
<b>Flash point (°C)</b>	144 °F (62 °C) Sh CC (Setaflash closed cup).

#### Extinguishing Media

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

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### Hazardous combustion products

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

#### Unusual Fire & Explosion Hazards

Heating will generate vapors which may form explosive vapor/air mixtures. Vapors are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

#### Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

#### Protective Equipment For Fire-Fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions

Do not smoke, use open fire or other sources of ignition. Avoid inhalation of vapors and aerosol spray. 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

Do not discharge onto the ground or into water courses.

#### Spill Clean Up Methods

Stop leak if possible without risk. Keep combustibles away from spilled material. Absorb spillage with oil-absorbing material. Do not use sawdust or other combustible material.

## 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. Use appropriate skin cream to prevent drying of skin. Keep away from heat, sparks and open flame. Contaminated rags and cloths must be put in fireproof containers for disposal.

#### Storage

Store in tightly closed original container in a dry and cool place. Keep away from heat, sparks and open flame. Store away from: Oxidizing material.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
(2-METHOXYMETHYLETHOXY)PROPANOL	PEL	100	-	-	-	
(2-METHOXYMETHYLETHOXY)PROPANOL	WEL	100	-	150	-	
1-METHOXY-2-PROPANOL	ACGIH	150 ppm	-	100 ppm	-	
HYDROCARBONS, C10, AROMATICS, <1% NAPHTHALENE	WEL	500 ppm	-	-	-	
COMPONENT						IDLH
(2-METHOXYMETHYLETHOXY)PROPANOL						600

ACGIH=American Conference of Governmental Industrial Hygienists.

WEL = Workplace Exposure Limit.

#### Engineering Measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

#### Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Use respiratory equipment with gas filter, type A2.

#### Hand Protection

Use protective gloves. Butyl rubber gloves are recommended. Neoprene gloves are recommended. Nitrile gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

#### 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>	Lightly coloured.
<b>Odor</b>	Solvent.
<b>Solubility</b>	Forms an emulsion with water.
<b>Initial boiling point and boiling range</b>	239 - 455 °F (115 - 235 °C)
<b>Relative density</b>	1.03 g/ml @ 68 °F (20 °C)
<b>Vapor density (air=1)</b>	> 1
<b>Vapor pressure</b>	0.15 kPa @ 68 °F (20 °C)
<b>Evaporation rate</b>	1 (BuAc = 100)
<b>Flash point</b>	144 °F (62 °C) Sh CC (Setaflash closed cup).
<b>Auto Ignition Temperature (°C)</b>	446 °F (230 °C)
<b>Flammability Limit - Lower(%)</b>	0.6 %
<b>Flammability Limit - Upper(%)</b>	15.6 %
<b>Volatile Organic Compound (VOC)</b>	ASTM D2369: 1000 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

Avoid heat, flames and other sources of ignition.

#### Materials To Avoid

Strong acids. Strong alkalis. Strong oxidizing substances.

#### Hazardous Decomposition Products

None at ambient temperatures.

## 11. TOXICOLOGICAL INFORMATION

#### Toxicological information

No data recorded.

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## 12. ECOLOGICAL INFORMATION

**Toxicity**

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**Degradability**

No data available.

**Bioaccumulative potential**

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

**Mobility:**

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

## 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Contact specialist disposal companies. Recover and reclaim or recycle, if practical. Liquid components can be disposed of by incineration. Empty containers must not be burned because of explosion hazard. 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. in pack sizes supplied (< 400 L).

## 15. REGULATORY INFORMATION

**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.

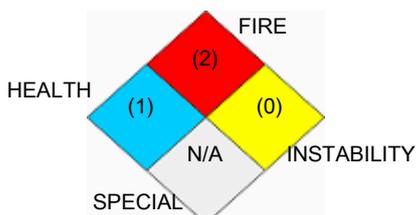
**US State Regulations****State Regulations Comments**

State and local regulations may apply.

## 16. OTHER INFORMATION

**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

HEALTH	1
FLAMMABILITY	2
PHYSICAL	0
PERSONAL PROTECTION	B

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

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## CPS SCREEN WASH A6

### 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.