

MATERIAL SAFETY DATA SHEET

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Date: Jan. 2003
Replace issue of: Oct. 2001

Section 1 - Chemical Product and Company Identification

Product name: CPS SCREEN OPENER E

General use: To remove dried ink in screen printing mesh during print run.

Supplier: Autotype Americas, Inc., 2050 Hammond Drive,
Schaumburg, IL 60173-3810

EMERGENCY: 1-800-424-9300
Information: 1-847-303-5900

Manufacturer: CPS - Chemical Products and Services A/S, Hejreskovvej 22, DK 3490 Kvistgaard, Denmark.
Phone: +45 4913 8110 Fax: +45 4913 8077

Section 2 - Composition / Information on Ingredients

Organic solvent blend, containing:

Aliphatic hydrocarbons, CAS # 64742-48-9 < 80 %

ACGIH-TLV/TWA
100 ppm

OSHA PEL/TWA
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Section 3 - Hazards Identification

Emergency Overview:

HMIS: H: 1 F: 3 R: 0 PP: B

Primary Entry Routes: Inhalation, Skin and Eyes.

Acute Effects:

Inhalation: Narcotic effects and/or irritation of mucous membranes if larger amounts are inhaled.

Eye: Irritating.

Skin: May irritate and may cause dermatitis by prolonged exposure.

Ingestion: Irritating, but may cause lung damage, if swallowed.

Carcinogenicity: None of the ingredients are listed as carcinogens.

Medical Conditions Aggravated by Long-Term Exposure: May cause effects on central nervous system.

Chronic Effects: None known.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air.

Ingestion: If victim is alert give plenty of water or milk. Do not administer an uncscious person.
Do not induce vomiting. Get medical attention.

Eye contact: Irrigate with plenty of water.

Skin contact: Wash with soap and water.

Further medical treatment: If any symptoms continue, seek medical advice.

Section 5 - Fire Fighting Measures

Flash Point: 113 °F (Closed cup).

Autoignition Temperature: > 450 °F

LEL/UEL: 0.5-9.5 vol. %

Extinguisher Media: Powder, Carbondioxide or foam.

Not suitable: Water.

Exposure hazards: Do not breathe fumes, which might be toxic.

Protective equipment: It is recommended to use breathing apparatus.

Section 6 - Accidental Release Measures

Personal precautions: Avoid contact with eyes, skin and clothing. Protect exposed skin and clothing with solvent resistant gloves/overalls. Protect eyes with OSHA approved goggles/eye protection, 29CFR 1910.133. Avoid breathing mist or vapour. Use adequate ventilation.

Environmental precautions: Protect water courses.

Methods for cleaning: Prevent spreading with suitable absorbent. Dispose of in accordance with all local, state and Federal regulations.

Section 7 - Handling and Storage

Handling Precautions: Use best available controls and work practice methods to minimize employee exposure. Avoid contact with eyes, skin and clothing. Protect exposed skin and clothing with solvent resistant gloves/overalls. Protect eyes with OSHA approved goggles/eye protection. Avoid breathing mist or vapour. Use adequate ventilation.

Storage Precautions: Store the product in closed containers. Recommended storage temperature: 40-85 °F. Keep away from heat, sparks and flame.

Section 8 - Exposure Controls / Personal Protection

Exposure controls: Provide adequate ventilation. Adequate local exhaust ventilation is recommended to control emissions.

Respiratory equipment: Recommended if risk of exposure to mist or spray. Use a NIOSH approved organic vapor respirator.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Hand protection: Solventresistant protection gloves.

Eye protection: Protection goggles or face protection.

Comments: Never eat, drink or smoke in work areas.

Section 9 - Physical and Chemical Properties

Physical state: Clear liquid.	Colour: Colorless	Odour: Characteristic.
pH: N/A	Boiling point: 320- 340 °F	Melting point: N/A
Flash point: 113°F.	Evaporation rate (BuAc=100): 22	Autoflammability: > 450 °F.
Explosive limits: 0,5-9,5 vol. %	Oxidizing properties: N/A	Vapour pressure: 2,2 mm Hg
Relative density: 0,76	Solubility: Organic solvents.	Water Solubility: Not soluble.

Section 10 - Stability and Reactivity

Stability: Stable at room temperature under normal storage and handling conditions.

Conditions to avoid: High temperatures.

Materials to avoid: Strong alkaline substances.

Hazardous decomposition products: None, except from toxic gas, carbonoxides etc. during combustion.

Hazardous polymerization: Can not occur.

Section 11 - Toxicological Information

Inhalation: May cause irritation and/or dizziness by prolonged exposure.

Ingestion: LD 50, oral, rats: > 3600 mg/kg.

Skin contact: May irritate and may cause dermatitis by prolonged exposure.

Eye contact: Irritating.

Long term exposure: May cause effects on central nervous system.

Section 12 - Ecological Information

Biodegradable.

VOC, Volatile Organic Substances (SCAQMD Rule 1171): 760 g/l.

Not to be discharged into watercourses or sewers without permission or approval by local authorities.

Section 13 - Disposal considerations

Dispose or incinerate in accordance with all local, state and federal regulations.

Section 14 - Transport information

UN No.: 1993
 Packing group: III
 Marine pollutant: No

ADR/RID Class: 3 III
 IMO Class: 3.3
 Proper Shipping name: Flammable liquid N.O.S.

ICAO/IATA Class: 3.3
 IMDG Code: 3345

(Naphtha (petroleum), hydrotreated heavy)

Section 15 - Regulatory information

RCRA Hazardous number:	Not listed.
CERCLA Reportable:	Not listed.
SARA 313:	Not listed.
Toxic Pollutants, 40 CFR, 122, App. D:	Not listed.
Hazardous Air Pollutants:	Not listed.
Proposition 65 Chemicals:	None.

CPS Screen Opener E comply with California Rule 1171 for solvent and clean up materials.
 New Jersey Trade secret reg.: TSRN 80100319-00-5047/48/49.

All chemicals included in the product are TSCA listed.

Section 16 - Other information

N/A: Not Applicable.

N/E: Not Established

BSII

The information and recommendations contained in the company's literature or elsewhere are based on knowledge at the time of printing and are believed to be accurate. Whilst such details are printed in good faith they are intended to be a guide only and shall not bind the company. Due to constant development customers are urged to obtain up-to-date technical information from representatives of the company and not to rely exclusively on printed material. Customers are reminded of the importance of obtaining and complying with instructions for the handling and use of chemicals and materials supplied as the company cannot accept responsibility to any loss or injury caused through non-compliance.