

MATERIAL SAFETY DATA SHEET

Product name: CPS Brush Cleaner
Last revised date: 2003-01-06

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SDS-ID: US-D/1.0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name: **CPS BRUSH CLEANER** Container size: 5,25 and 210 LT

Supplier: Autotype Americas, Inc. Emergency 1-800-424-9300
2050 Hammond Drive telephone:
Schaumburg, IL 60173-3810
Tel: 1-847-303-5900

Application: Brush Cleaner and thinner for CPS 2-Comp.
Screen Adhesive

2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains: organic solvent.

This product is covered by the OSHA Hazard Communication Rule 29, CFR 1910.1200

The following substances shall be indicated according to legislation:
Methylene chloride, CAS-No. 75-09-2: 100.0%

3. HAZARDS IDENTIFICATION

Man: May irritate eyes and skin. The product contains components which may penetrate skin. In high concentrations, vapors are narcotic and may cause headache, fatigue, dizziness and nausea. Inhalation of vapor may cause lung oedema. Contains a substance which may be potentially carcinogenic. IARC Cancer Review: Group 2B for Methylene chloride. National Toxicology Program (NTP): Group R for Methylene chloride. OSHA: There is suggestive evidence that Methylene chloride is a human carcinogen.

Environment: The product contains volatile, organic compounds which have a photochemical ozone creation potential.

4. FIRST-AID MEASURES

Inhalation:	Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring along these instructions. If inhalation of vapors is suspected, move person into fresh air and call an ambulance. Be aware that symptoms of lung oedema (shortness of breath) may develop several hours after exposure. Call physician immediately.
Skin contact:	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion:	Immediately rinse mouth and drink plenty of water. Keep person under observation. If uncomfortable: Seek hospital and bring along these instructions. If vomiting occurs, keep head low.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific hazards:	During fire, toxic and corrosive vapors may be formed.
Protective equipment for fire-fighters:	Use air-supplied respirator during fire fighting.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid any exposure. For personal protection, see point 8.
Environmental precautions:	Avoid discharge into drains, water courses or onto the ground.
Methods for cleaning up:	Dam and absorb spillage with sand, sawdust or other absorbent. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitable container with indication of the contents. For waste disposal, see point 13.

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7. HANDLING AND STORAGE

Safe handling advice: Observe good industrial hygiene practices. Avoid any exposure. Change contaminated clothing.

Technical measures: Work practice should minimise contact. Keep the workplace clean. Do not eat, drink or smoke when using the product.

Technical precautions: Mechanical ventilation required. Provide easy access to water supply or an emergency shower.

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container in a well-ventilated place. Keep at temperatures between 40°F and 85°F. Protect against direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapours. An eye wash bottle must be available at the work site.

Chemical name:	Exposure limits:	Type:	Notes:	References:
Dichloromethane	50ppm 174mg/m ³	TWA	A3, BEI	ACGIH (2001)
Methylene chloride	25ppm	TWA, PEL		OSHA 1998

Respiratory equipment: Use air-supplied respirator.

Hand protection: Wear protective gloves. Laminate (PE/EVOH) gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Other types of gloves can be recommended by the glove supplier.

Eye protection: Risk of contact: Wear goggles/face shield.

Skin protection: Wear special protective clothing.

Hygiene measures: Wash hands after handling. When using do not eat, drink or smoke. Change contaminated clothing. Private clothes and working clothes should be kept separately. Personal protection may not be worn during meal breaks. Personal protection must be kept separate from other clothes. Contaminated protective clothing should be placed in a regulated area designated by the employer for removal of methylene chloride before the clothing is laundered or disposed of.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Clear liquid	Odour:	Characteristic	pH:	not relevant
Flash point:	not relevant	Boiling point:	104 °F	Explosive properties:	not relevant
Explosive limits:	not relevant	Evaporation rate. (BuAc=100):	1450	Vapour pressure:	340 mm Hg
Relative density:	1.31	Solubility:	Organic solvents.	Kinematics viscosity at 40°C:	<7 mm ² /s

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions.

Conditions/
materials to avoid: Heating. Oxidizing agents. Metals (eg. aluminium and zinc).

Hazardous decomposition products: None in particular.

11. TOXICOLOGICAL INFORMATION

Inhalation: Inhalation of vapour may cause lung oedema. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
LC50 (inhalation, rat): 52 gm/m³ (RTECS) for methylene chloride.

Skin contact: May irritate. Prolonged contact may cause dryness of the skin. Contains organic solvents which may penetrate the skin.

Eye contact: May irritate and cause redness and pain.

Ingestion: May cause irritation. May be absorbed in the body and cause dizziness, nausea and vomiting.
LD50 (oral, rat) = 1600 mg/kg (RTECS) for methylene chloride.

Specific effects: Frequent inhalation of even small concentrations may cause irritability, fatigue, memory failure and in time permanent damage to the nervous system, including the brain, and possibly liver and kidneys, too. Contains a substance/a group of substances which may cause cancer.
IARC Cancer Review: Group 2B for Methylene chloride.
National Toxicology Program (NTP): Group R for Methylene chloride.
OSHA: There is suggestive evidence that Methylene chloride is a human carcinogen.

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12. ECOLOGICAL INFORMATION

Mobility: The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

Degradability: The degradability of the product has not been stated.

Ecotoxicity: The product contains volatile, organic compounds which have a photochemical ozone creation potential.

13. DISPOSAL CONSIDERATIONS

Dispose of waste and residues according to agreement with local authorities.

Waste from residues: Methylene chloride, CAS-No. 75-09-2: RCRA: Waste number U080.

14. TRANSPORT INFORMATION

UN-no: 1593
Proper shipping name: DICHLOROMETHANE

<u>Sea (IMDG):</u>		<u>Air (ICAO/IATA):</u>		<u>Land (RID/ADR):</u>	
Class:	6.1	Class:	6.1	Class:	6.1
PG:	III	PG:	III	PG:	III
MP:	No			Primary risk label	6.1
EmS:	6.1-02				
Inland waterways:	To be handled locally.				

15. REGULATORY INFORMATION

TSCA: All chemicals included in the product are TSCA listed.
Methylene chloride, CAS-No. 75-09-2:
CERCLA: Final RQ = 1000 pounds (454 kg).
SARA Section 313: Form R reporting required for 0.1% de minimis concentration.
NFPA Rating: Health:3 Fire:1 Reactivity:0 Other:-

Specific provisions: State and local regulation may apply.

16. OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.