CCOHS MSDS Record Number 839101

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* Canadian Centre for Occupational Health and Safety *
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*** IDENTIFICATION ***

MSDS RECORD NUMBER : 839101
PRODUCT NAME(S) : CITATION A STENCIL REMOVER (Code 432S)
DATE OF MSDS : 1994-03

*** MANUFACTURER INFORMATION ***

MANUFACTURER : Printing Developments, Inc
ADDRESS : 2010 Indiana Street
Racine Wisconsin
U.S.A. 53405

EMERGENCY TELEPHONE NO. : 800-424-9300 (Chemtrec)
414-554-1030 (Manufacturer)

*** MATERIAL SAFETY DATA ***

PRODUCT SAFETY DATA SHEET

==============================================================================
SECTION I - PRODUCT IDENTIFICATION
==============================================================================
Product name: CITATION A STENCIL REMOVER (Code 432S)
Product use: Lithographic Plate Cleaner
Chemical family: N/A
WHMIS CLASS: D2A, D2B

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SECTION II - HAZARDOUS INGREDIENTS
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Ingredients CAS# %
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Gamma-butyrolactone 96-48-0 70.0

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SECTION III - PHYSICAL DATA
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Physical State: Liquid
Odor and appearance: Slight butyric acid odor; clear, pale amber liquid.
Odor threshold: N/A
Specific gravity: 1.1
Coefficient of water/oil distribution: N/A
Vapour pressure (mm Hg): N/A
Boiling point: 199-210 deg C (390-410 deg F)
Freezing point: N/A
pH: 2.5
Vapour density (Air = 1): >1
Evaporation rate (Water = 1): >1
Volatile, %: 99
Solubility in water: Infinite

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SECTION IV - FIRE AND-explosion DATA
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Conditions of flammability: Non-combustible
Means of extinction: Water fog, alcohol foam, CO2, or dry chemical.
Sensitivity to mechanical impact/static discharge: N/A
Flash point (Method): >93.3 deg C >(200 deg F)
Upper flammable limit %: N/A
Lower flammable limit %: N/A
Auto-ignition temperature: N/A


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Special Fire Fighting Procedures: Wear self-contained breathing apparatus and personal protective equipment when entering confined areas where potential exposure to vapors or products of combustion exists.

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide.

SECTION V - REACTIVITY DATA

Stability: Normally stable.
Conditions of reactivity: Hazardous polymerization will not occur. Does not react with water.
Hazardous decomposition products: If mixed with PDI Bimetal Etch, heat and nitrogen oxides may be produced. If mixed with PDI Q-Etch, small amounts of oxygen may be produced.

SECTION VI - TOXICOLOGICAL PROPERTIES

Routes of exposure and acute/chronic effects

Exposure limit: 10 mg/L per Manufacturer. No PEL or TLV established by OSHA.
Irritancy of Product: May cause irritation.
Inhalation: May cause irritation.
Skin: May cause irritation.
Eyes: May cause irritation or burns.
Ingestion: May cause irritation to mucous membranes.
Chronic effects: None known.
Carcinogenicity: This product does not contain any substance at 0.1% or higher listed by the IARC and ACGIH.
Reproductive effects, Teratogenicity, Mutagenicity: N/A
Sensitization to Product: N/A
Name of Toxicologically Synergistic Products: N/A

SECTION VII - FIRST AID

Inhalation: Remove to fresh air. If difficulty in breathing or dizziness develops, get medical attention.
Skin: Promptly wash with soap and water. Remove contaminated clothing. If irritation develops, get medical attention.
Eyes: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion: Give water (at least 2 glasses) to dilute the chemical. Do not induce vomiting. Get medical attention.

SECTION VIII - PREVENTIVE MEASURES

Spill, leak or release: Wear proper protective equipment. Contain spill and evacuate area if necessary. Absorb spill with inert absorbent. Collect for disposal.
Waste disposal: Comply with all local, provincial, and federal regulations.

*** PROTECTIVE EQUIPMENT ***

Respiratory protection: Not required under normal use.
Ventilation: Sufficient ventilation in volume and pattern should be provided to keep the air contamination concentration below any current applicable TLV's.
Protective gloves: Use solvent resistant gloves to prevent skin contact.
Eye protection: Use safety eyewear (splash goggles) when making additions to processors. Use face shield when transferring chemicals.
Other protective equipment: Use NIOSH-approved organic vapor/acid gas type chemical filter with respirator if ventilation is inadequate.

*** STORAGE & HANDLING ***

Storage and handling conditions:
Handling: Use protective equipment specified above.
Storage: Store seperately from strong acids and oxidizers, including PDI
etches. Store in cool, dry place. Keep container closed and upright.
Special Shipping Information: TDG - Not regulated.

Additional notes or references:

Abbreviations:
N/Av: not available
N/Ap: not applicable
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
TLV: Threshold Limit Values
NIOSH: National Institute of Occupational Safety and Health
TDG: Transportation of Dangerous Goods Act

References:
1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 1992-93.
3. Canadian Centre for Occupational Health and Safety. Cheminfo Database.

SECTION IX - PREPARATION INFORMATION

Prepared by: Printing Developments, Inc.
Telephone #: (414) 554-1030
Preparation Date: March, 1994

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