

* * * * *
 * M S D S *
 * *
 * Canadian Centre for Occupational Health and Safety *
 * * * * * (February, 2002) *

*** 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/Av WHMIS CLASS: D2A, D2B

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS#	%
Gammabutyrolactone	96-48-0	70.0
LC50 ppm (Rat, i.h.l.):	N/Av	
LD50 mg/kg (Rat, oral):	1800 mg/kg	

SECTION III - PHYSICAL DATA

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

SECTION IV - FIRE AND EXPLOSION DATA

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

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.

Incompatible materials: Strong Alkalies. Strong Oxidizers. PDI Etches.

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/Av

Sensitization to Product: N/Av

Name of Toxicologically Synergistic Products: N/Av
=====

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 separately 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.
2. International Agency for Research on Cancer Monographs,
Supplement 7, 1988.
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

©2001 Canadian Centre for Occupational Health & Safety