

Hats By Leko  
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MATERIAL SAFETY DATA SHEET

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**SECTION I - IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY UNDERTAKING**

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MSDS NO: EMERGENCY NO: 1-800-255-3924 Chemtel  
International Access Code +1-813-248-0585

DATE: May 25, 1999

REVISION DATE: 6/25/01

Supersedes: 5/21/01

GENERAL INFORMATION NO: (203)-454-1800 (MANTROSE-HAEUSER CO.)

PRODUCT NAME: HYDROLAC B-4, HYDROLAC B-5 POWDERS

SYNONYMS: N/A

CHEMICAL FAMILY: NATURAL RESIN

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**SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS**

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COMPOSITION	CAS RN	NOMINAL %	PEL/TLV	HAZARD
Sodium Tetraborate Decahydrate	1303-96-4	18.0-30.0	OSHA TWA 10mg/m3 ACGIH TLV-TWA 5mg/m3	Irritant/Toxic

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**SECTION III - HAZARDS: (IDENTIFY)**

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INGESTION: Toxic if swallowed.

EYE CONTACT: Liquid or vapor may cause irritation.

SKIN CONTACT: Toxic if absorbed through damaged skin.

INHALATION: Dust may be irritating to nose, throat and lungs. May cause abdominal pain, nausea, vomiting and diarrhea.

OTHER: Kidney and liver diseases and nerve disorders may be aggravated by exposure to this material.

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**SECTION IV - FIRST AID MEASURES**

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FOR OVER EXPOSURE BY:

SWALLOWING: If victim is conscious, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Never give anything by mouth if victim is unconscious or having convulsions. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

CONTACT WITH EYES OR SKIN: Immediately flush affected area with plenty of cool water. Eyes should be flushed for at least 15 minutes. Remove and wash contaminated clothing before re-use. GET MEDICAL ATTENTION IMMEDIATELY.

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**SECTION V - FIRE FIGHTING MEASURES**

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**FIRE FIGHTING PROCEDURES:** Wear positive-pressure, self-contained breathing apparatus. Use Carbon Dioxide, dry chemical or water spray to extinguish.

**UNUSUAL FIRE/EXPLOSION HAZARDS:** Under certain conditions, a fine dust cloud of this material in air may cause a dust explosion if ignited, as when exposed to heat, sparks or open flame.

FLASH POINT: N/A

FLAMMABLE LIMITS IN AIR, % BY VOL. LOWER: N/A  
UPPER: N/A

NFPA RATING: HEALTH (1) FIRE (0) REACTIVITY (0)\*

\*(DOES NOT APPLY TO EXPOSURE HAZARDS OTHER THAN DURING A FIRE)

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**SECTION VI - ACCIDENTAL RELEASE MEASURES**

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Wear appropriate respiratory protection and protective clothing as described in Section VIII. Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

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**SECTION VII - HANDLING & STORAGE**

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Use good engineering practices.

Avoid contact with eyes, skin and clothing.

Use with adequate ventilation.

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**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Ventilation:** Handle in the presence of adequate ventilation. Personnel must use personal respirator if dust concentration exceeds exposure limits.

**Respiratory protection :** Where exposure is likely to exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminant in air.

**Protective Clothing:** Wear gloves and protective clothing which are impervious to this product for the duration of anticipated exposure if there is potential for skin contact.

**Eye Protection:** If no eye contact anticipated, wear safety glasses meeting specifications of ANSI Standard Z87.1. If eye contact is anticipated, wear chemical safety goggles meeting specs of ANSI Standard Z87.1.

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**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING POINT: N/A

MELTING POINT: N/A

SPECIFIC GRAVITY (H<sub>2</sub>O=1): N/A

EVAPORATION RATE (Butyl Acetate=1): N/A

SOLUBILITY IN WATER: Readily Soluble

VAPOR DENSITY (AIR=1): N/A

VAPOR PRESSURE (mm Hg): N/A

APPEARANCE/COLOR: Pale Yellow Powder

pH: 7.0 ± 0.5 (20% aqueous solution)

FLASH POINT: N/A

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**SECTION X - STABILITY AND REACTIVITY**

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STABILITY: Generally Stable

HAZARDOUS POLYMERIZATION: Not likely

CONDITIONS/MATERIALS TO AVOID: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Not likely

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**SECTION XI - TOXICOLOGICAL INFORMATION**

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No Data

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**SECTION XII - ECOLOGICAL INFORMATION**

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Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented.

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**SECTION XIII - DISPOSAL INFORMATION**

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All recovered material should be packaged, labeled, transferred and disposed of or reclaimed in conformance with applicable laws and regulations and good engineering practices.

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**SECTION XIV - TRANSPORTATION INFORMATION**

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DEPARTMENT OF TRANSPORTATION:

DOT CLASSIFICATION: Not Restricted

DOT PROPER SHIPPING NAME: Shellac Resin.

OTHER DOT INFORMATION:

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**SECTION XV - REGULATORY INFORMATION**

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No Data

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**SECTION XVI - OTHER INFORMATION:**

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**REVISION LOG:**

<b>DATE:</b>	<b>REASON:</b>	<b>BY WHOM:</b>
5/21/01	Remove MBZ name	SAS
6/25/01	Change international access code	DLY

Issued to conform to DSD 67/548/EEC, DPD 88/379/EEC and DPD 91/155/EEC.

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