



MATERIAL SAFETY DATA SHEET

*****1.CHEMICAL PRODUCT AND COMPANY IDENTIFICATION*****

PRODUCT NUMBER: LD100A
PRODUCT NAME: Labeling Adhesive
COMPANY ADDRESS: Schaefer Machine Co., Inc.
200 Commercial Drive
Deep River, CT 06417
(860) 526-4000 800-243-5143

EMERGENCY PHONES:
Medical: 866-359-3687 (Health & Safety Call Center-24 hours)
Transport: Chemtrec: 800-424-9300 (24 hours)
Chemtrec Int'l: 703-527-3778 (call collect)
Customer Service 888-480-6885

*****2. HAZARDOUS IDENTIFICATION*****

EMERGENCY OVERVIEW: Not considered as hazardous - Brown Liquid Dextrin Odor
EYE: Slight/mild irritant
SKIN CONTACT: Repeated or prolonged skin contact may result in mild irritation
INHALATION: Unlikely to be hazardous
INGESTION: Low oral toxicity

*****3. COMPOSITION/INFORMATION ON INGREDIENTS*****

CHEMICAL FAMILY: Water Solution of Soluble Polymers

COMPONENT CAS NUMBER CONCENTRATION (% by weight)

None classified as hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

*****4. FIRST-AID MEASURES*****

EYE: Irrigate with eyewash solution or clean water until pain is relieved. If symptoms develop, obtain medical attention.
SKIN CONTACT: Wash skin with soap and water
INHALATION INGESTION: Remove to fresh air. Get medical attention if irritation persists. Treat symptomatically and supportively. Get medical attention.

*****5. FIREFIGHTING MEASURES*****

<u>AUTOIGNITION:</u>	Not available
<u>FLASH POINT:</u>	>212°F
<u>EXTINGUISHING MEDIA:</u>	Water spray or fog, CO2, dry chemical; Foam
<u>SPECIAL FIREFIGHTING PROCEDURES:</u>	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
<u>FIRE & EXPLOSION HAZARDS:</u>	Non-combustible
<u>HAZARDOUS COMBUSTION PRODUCTS:</u>	Carbon monoxide, carbon dioxide, unknown hydrocarbons.
<u>LOWER EXPLOSION LIMIT %:</u>	Not applicable
<u>UPPER EXPLOSION LIMIT%:</u>	Not applicable

*****6. ACCIDENTAL RELEASE MEASURES*****

<u>SPILL AND LEAK PROCEDURES</u>	Absorb spillage onto sand, earth or any suitable absorbent Material. Sweep up and shovel into waste drums. Wash the Spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state or national legislation.
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For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

*****7. HANDLING AND STORAGE*****

<u>STORAGE TEMPERATURE:</u>	40-90° F
<u>HANDLING/STORAGE:</u>	Avoid extreme temperatures. Protect from freezing. This material should not be spilled, discharged, or flushed into sewers or public waterways
<u>SENSITIVITY TO STATIC ELECTRICITY:</u>	NO
<u>SENSITIVITY TO MECHANICAL IMPACT:</u>	NO

*****8. EXPOSURE CONTROLS/PERSONAL PROTECTION*****

<u>EXPOSURE LIMIT NOTES:</u>	Mineral oil mist exposure limits only apply when oil mists could be generated, such as spraying or use at elevated temperatures.
<u>VENTILATION REQUIREMENTS:</u>	General
<u>EYE PROTECTION REQUIREMENTS:</u>	Wear safety glasses with side shields
<u>GLOVE REQUIREMENTS:</u>	Gloves are recommended due to possible irritation
<u>CLOTHING REQUIREMENTS:</u>	Protective clothing is normally not necessary for foreseeable conditions of use.
<u>CHANGE/REMOVAL OF CLOTHING:</u>	Remove contaminated clothing and laundry before reuse.
<u>WASH REQUIREMENTS:</u>	Wash before eating, drinking, or using toilet facilities.
<u>RESPIRATOR REQUIREMENTS:</u>	None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

*****9. PHYSICAL AND CHEMICAL PROPERTIES*****

PURE SUBSTANCE OR MIXTURE: Mixture
 PHYSICAL FORM: Liquid
 COLOR: Brown
 ODOR: Dextrin
 ODOR THRESHOLD: Not available
 PH AS IS: 9
 OXIDIZING PROPERTIES: Not applicable
 BOILING POINT: >212° F
 MELTING/FREEZING POINT: <32° F
 SOLUBILITY IN WATER: Soluble
 PARTITION COEFFICIENT (n-octanol/water) Not applicable
 SPECIFIC GRAVITY (WATER=1): 1.19
 BULK DENSITY: 9.9 lb/gal
 EVAPORATION RATE: 1 (Water = 1)
 VAPOR PRESSURE: (mmHg): 17.5@ 20° C
 VAPOR DENSITY (air = 1): 0.62
 VOLATILES: Approximately 55%/wt
 VOLATILES ORGANIC COMPOUNDS: Estimated to be < 0.009 lb/gal
 AUTOIGNITION: Not available
 FLASH POINT: >212° F

*****10. STABILITY AND REACTIVITY*****

STABILITY: Stable
MATERIALS TO AVOID: Materials that react with water
CONDITIONS TO AVOID: Protect from temperatures below 40F
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide
HAZARDOUS POLYMERIZATION CONDITIONS: Hazardous polymerization will not occur

***** 11. TOXICOLOGICAL INFORMATION*****

ROUTE OF ENTRY Eye Contact; Skin Contact

CARCINOGEN	<u>IARC</u> <u>(group)</u>	<u>NTP</u>	<u>OSHA Substance</u> <u>Specific Regulation</u>
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COMPONENT
 There is no evidence that this product poses a carcinogenic risk under normal conditions of handling and use.

PRODUCT TOXICOLOGY
PRODUCT INFORMATION Unlikely to cause harmful effects under recommended conditions of handling and use.

ACUTE (SHORT TERM EFFECTS OF EXPOSURE)

EFFECTS OF ACUTE EXPOSURE

Slight. Transient.

CHRONIC (LONG TERM) EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE

The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest or inhale.

TARGET ORGANS

Not applicable

*****12. ECOLOGICAL INFORMATION*****

POTENTIAL TO BIOACCUMULATE

Unknown.

AQUATIC TOXICITY:

None Established

*****13. DISPOSAL CONSIDERATIONS*****

WASTE DISPOSAL METHODS:

Disposal should be in accordance with local, state or national legislation.

EMPTY CONTAINER WARNINGS:

Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

*****14. TRANSPORTATION INFORMATION*****

This section provided for general information only. The shipping description below may not present requirements for all modes of transportation, packaging, shipping methods or locations outside of the United States.

FOR MORE COMPLETE TRANSPORTATION REGULATORY INFORMATION PLEASE REFER TO THE SHIPPING DOCUMENTS ACCOMANYING THE SHIPMENT OF THIS PRODUCT.

DOT CLASSIFICATION:

Not regulated

The information provided herein may not include the impact of additional regulatory requirements (eg, for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

*****15. REGULATORY INFORMATION*****

USA

TSCA

This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

SARA - Section 313 (Superfund Amendments and Reauthorization Act of 1986 - 40CFR372)

CAS NUMBER

CONCENTRATION

(% by weight)

Contains no substances at or above the reporting Threshold under Section 313.

CALIFORNIA PROPOSITION 65

WARNING: This product contains the following chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm.

Unless a concentration is specified in Section 2 of the MSDS, the below chemical/s are present in trace amounts.

COMPONENT	CAS NUMBER
Propylene Oxide	75-56-9
Ethylene Oxide	75-21-8
1,4-Dioxane	123-91-1
Acetaldehyde	75-07-0

*****16. OTHER INFORMATION*****

HMIS® Hazard Ratings

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs by OSHA’s 29 CFR 1910.1200, we chose to provide them as a service to our customers using HMIS®. These ratings are to be used only with a fully implemented HMIS® program. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

NCPA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS® Implementation Manual.

When two ratings are provided for Health, the first represents the material “as supplied”, and the second represents the material “in use”

*= chronic health hazard

HMIS® is a registered trademark of the National Paint and Coatings Association (NPCA).

Health	Flammability	Reactivity
1	0	0

ISSUED DATE: 17-November-2008
PREPARED BY: Regulatory Affairs

The data contained herein are furnished for information only and are believed to be reliable. However, Schaefer Machine Co., Inc. does not assume responsibility for any results obtained by persons over whose methods Schaefer Machine Co., Inc. has no control. It is the user’s responsibility to determine the suitability of Schaefer’s products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Schaefer Machine Co., Inc. products. In light of the foregoing, Schaefer Machine Co., Inc. specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Schaefer Machine Co., Inc. products. Schaefer Machine Co., Inc. further disclaims any liability for consequential or incidental damages of any kind, including lost profits.