

SAFETY DATA SHEET

Creation Date: 5/30/08

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1. Product Identification

PRODUCT TYPE..... UD400 Liquid Adhesive
 PRODUCT NAME..... UD400
 USE OF PRODUCT..... Bonding of coated and uncoated paperboard
 MANUFACTURER.....

EMERGENCY PHONE NUMBERS.....

2. Hazards Identification

GHS CLASSIFICATION: According to regulation Appendix D 1910.1200

Health	Environmental	Physical
Acute Toxicity: Category 5	Acute Toxicity: No	Flammability: No
Skin irritation: Category 3	Chronic Toxicity: No	
Skin Sensitization: No		
Eye: Category 2B		

GHS Label:



Signal Word: Warning, irritant

Hazard Statements:

H303: May be harmful if swallowed
 H316: May cause mild skin irritation
 H320: Causes eye irritation

Precautionary Statements:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash hands thoroughly after handling
 P270: Do not eat drink or smoke when using this product
 P314: Get medical advice/attention if you feel unwell
 P313: If skin irritation occurs get medical attention/advice.
 P337: If eye irritation occurs rinse with water/seek medical attention if needed.

3. Composition of Ingredients

Chemical	CAS No.	Wt %	Exposure Limits
Co-polymer of vinyl acetate + ethylene in water		70-90	NSRL
Hazardous ingredients	CAS#	Content%	Classification
5-Chloro-methyl-4-isothiazoline-3-on and	55965-84-9	<0.01	Aquatic Chronic 1: H410 Aquatic Acute 1: H400

SAFETY DATA SHEET

2-methyl-4-isothiazoline-3-on(mixture in a ratio of 3:1)			Skin Sens. 1: H317 Skin Corr. 1B: H314 Acute Toxicity: 3 by inhalation: H331 Acute Toxicity: 3 by dermal: H311 Acute Toxicity: 3 by oral: H301 Eye Damage: 1: H318

Information on Ingredients:

This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

Substances listed as HAPS and California prop 65 carcinogens or reproductive toxins in section 15 are contained below 0.1% and are inextricably bound in the product.

Recommended HMIS III Rating: 110A

4. First Aid Measures

Eyes..... Immediately Flush Eyes with Large Amounts of Water for at least 15 Minutes, Lifting Upper and Lower Lids. Get Prompt Medical Attention.

* NOTE: Mild Irritant on Eyes.

Skin Contact..... Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash or discard contaminated clothing.

Inhalation..... Remove to fresh air. If difficulty breathing persists, seek medical attention.

Ingestion..... Call poison control center, follow their specific instructions. Do not induce vomiting.

5. Fire Fighting Measures

Flash Point..... Not applicable

Flammable limits in Air (Lower)..... Not applicable

Flammable Limits in Air (Upper)..... Not Applicable

Auto-ignition..... Not Applicable.

Special Fire Fighting Procedures..... Water or foam

Fire & Explosion Hazards..... This material will not burn unless evaporated to dryness. Closed containers may rupture when exposed to extreme heat.

Hazardous Combustion Products.....Not Applicable.

NFPA Flammability Hazard Class..... 1 = Slight

6. Accidental Release Measures

Spill or Leak Procedures..... Spills should be Taken up with Suitable Absorbent and Placed in Containers. Spill Area can be washed with Water; Collect Wash Water for Approved Disposal. **Do Not Flush to Storm Sewer or Waterway.**

SAFETY DATA SHEET

Water Disposal Methods Waste Disposal Should be in Accordance with Existing Federal, State and Local Environmental Regulations

7. Handling and Storage

Handling/Storage Keep from Freezing, store at temperatures between 50-90°F. Keep in Ventilated Area to Minimize Contact with Atmospheric Air, Avoid Breathing Vapors, Avoid Eating, Drinking or Smoking Around Open Containers.

8. Exposure Controls / Personal Protection

Conditions under Which PPE Required Normal Work Conditions
Eye Protection Requirements Wear Safety Glasses with Side Shields.
Glove Requirements Nitrile or Neoprene gloves, if desired
Clothing Requirements Not Required
Change/Removal of Clothing Not Required
Wash Requirements Not Required
Respirator Requirements Not Required, under normal use
Engineering Controls Good, general ventilation
HMIS III PPE Rating A
Exposure Guidelines There are no Occupational Safety and Health (OSHA) Permissible Exposure Limits (PEL) established for this product.

9. Physical and Chemical Properties

Appearance/Physical Description White, colored or UV fluorescing liquid
Odor Slight Acetic
Odor Threshold Not applicable
PH as is 4.0-6.0
Boiling Point of water
Freezing Point of water
Flash Point Not applicable
Evaporation Rate Not applicable
Flammability Not applicable
Upper/Lower Flammability or explosive Limits Not applicable
Vapor Pressure (mmHg) same as water
Vapor Density (Air = 1) > 1 (Air=1)
Bulk Density 8.7 lb/gal
Specific Gravity (Water =1) 1.05
Solubility in Water dispersible
Partition coefficient: n-octanol/water Not applicable
Auto-ignition Not applicable
Decomposition Temperature Not applicable
Viscosity 2500-3100 mPa.s (Brookfield)
Volatiles 65%
VOC Not Determined

10. Stability and Reactivity

SAFETY DATA SHEET

Stability..... Stable at normal temperatures and storage conditions
Incompatibilities Water Reactive Materials
NFPA Reactivity Hazard Class 0=Insignificant
Hazardous Decomposition Products Carbon Monoxide, Carbon Dioxide
Hazardous Polymerization Will Not Occur

11. Toxicological Information

Acute Eye Toxicity..... No information is available
Acute Skin Toxicity No information is available
Acute Inhalation Toxicity..... Aerosol may be irritating
Acute Oral Toxicity LD50 > 2000 mg/kg, test subject; rat based on
primary polymer component. Single oral exposure not expected to have toxic effects.
Chronic/Carcinogenicity This material does not contain 0.1% or more of any
chemical listed by the International Agency for Research on Cancer (IARC) , The National Toxicology Program
(NTP), or regulated by the United States Occupational Safety and Health Administration (OSHA) as a carcinogen.

12. Ecological Information

Ecotoxicity No information is available
Environmental Fate No information is available

13. Disposal Considerations

Waste Disposal Method Not a RCRA hazardous waste. Disposal of this
material is not regulated under RCRA. Consult federal, state and local regulations to ensure that this material and its
containers is disposed of in compliance with all regulatory requirements.

14. Transport Information

UN Number None
DOT Shipping Name..... Adhesive N.O.I.
DOT Hazard Class..... Non Hazardous
DOT Reportable Quantity Not Noted

15. Regulatory Information

U.S. Federal Regulations;

OSHA..... This material is not classified as hazardous under the
criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29
CFR 1910.1200

TSCA ALL Components are on the TSCA Inventory.

SAFETY DATA SHEET

CERCLA..... This material does not contain any CERCLA regulated materials.

SARA 302..... This material does not contain any SARA extremely hazardous substances.

SARA 311/312..... 311/312 Hazard Class This material does not present any SARA 3311/312 hazards.

SARA Title III: Section 313 Toxic Chemical List:

This product may contain the following substances at or above de minimus concentrations: NONE

Chemical	CAS No.	Wt %	Exposure Limits

HAPS/VOCs:

- Vinyl Acetate CAS# 108-05-4
- Formaldehyde CAS# 50-00-0
- Methanol CAS# 67-56-1
- Acetaldehyde CAS# 75-07-0

U.S. State Regulations:

California Proposition 65..... This product contains trace amounts of chemicals known to the State of California to cause cancer and reproductive toxicity:

- Carcinogens: Formaldehyde(CAS# 50-00-0), Acetaldehyde(CAS# 75-07-0)
- Reproductive Toxins: Methanol(CAS#67-56-1)

Massachusetts Substance List..... This material contains no listed components.

New Jersey Right-to-Know hazardous Substance list..... this material contains no listed components.

Pennsylvania Right-to-Know hazardous Substance list..... this material contains no listed components.

Canadian Regulations:

WHMIS Hazard classes..... none

DSL Status..... This material or its components are listed on the Canadian Domestic Substances list.

Non-DSL Components..... This material does not contain any non-DSL chemicals.

Canadian Ingredient Disclosure list..... This material does not contain listed components.

16. Other information

“OUR SERVICE ENGINEERS ARE AVAILABLE TO HELP PURCHASERS OBTAIN BEST RESULTS FROM OUR PRODUCT, AND RECOMMENDATIONS ARE BASED ON TEST AND INFORMATION BELIEVED TO BE RELIABLE. HOWEVER, WE HAVE NO CONTROL UNDER WHICH OUR PRODUCTS ARE TRANSPORTED TO, STORED, HANDLED, OR USED BY PURCHASERS AND, IN ANY EVENT, ALL RECOMMENDATIONS AND SALES ARE MADE ON CONDITION THAT WE WILL NOT BE HELD LIABLE FOR ANY DAMAGES RESULTING FROM THEIR USE. NO REPRESENTATIVE OF OUR HAS ANY AUTHORITY TO WAIVE OR CHANGE THIS PROVISION.”