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### AQUEOUS 2039H

### GENERAL PURPOSE

TECHNICAL DATA SHEET  
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#### Characteristics

Developed for general purpose applications. This product offers excellent machining, wet strength and finished bond. It can be used to bond a wide array of substrates.

#### Application Methods

Roller, extrusion

#### In-Service Parameters

Excellent weatherability.

#### FDA Status

All components are listed and conform with FDA regulation 21CFR 175.105 "Adhesives for use in Food Packaging".

Test results listed have been conducted in a controlled lab environment with set standards, results may vary based on application, conditions and substrates utilized.

#### TYPICAL PROPERTIES

**FORM:** Liquid

**TYPE:** Vinyl acetate polymer

**COLOUR:** White

**VISCOSITY:** Brookfield RV#2-20 rpm  
 @ 24 °C: 1400 - 1600 cps

**SOLIDS:** 26 - 29%

**pH:** 4.1 - 4.9

**SHELF LIFE:**  
 3 months minimum

**RUNNING TEMPERATURE:**  
 15 - 30 °C

**FREEZING:** Store above 15 °C

**CLEAN UP:** Warm water

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT INFORMATION

Product Number	2039H	WHMIS Classification	D2B
Product Use	Adhesive	TDG Classification	Not regulated
Chemical Family	Vinyl acetate polymer	DSL	All ingredients listed.
Manufacturer Name and Address		Supplier Name and Address	
Technical Adhesives Limited		Same	
3035 Jarrow Avenue			
Mississauga, Ontario			
L4X 2C6			
Emergency Telephone #	(905)625-1284	Emergency Telephone #	

## SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Ingredients	%	TLV(mg/m3)	CAS #	LD50 mg/Kg (Rat, oral)	LC50 mg/m3,4 hours (Rat, inh.)
Dibutyl phthalate	1 - 5	5	84-74-2	8000	4250

## SECTION 3 - PHYSICAL DATA

Physical State	Odour & Appearance		Odour Threshold
Liquid	Mild odour. Aqueous emulsion.		Not available
Specific Gravity	Vapour Density (Air = 1)	Vapour Pressure(mm Hg)	
1.2 g/ml	Similar to water	Similar to water	
Evaporation Rate (Ether = 1)	Coefficient of water/oil Distribution		
Not available	Not available		
Boiling Point	Freezing Point	pH	Volatiles %
100 C	0 C	4.1 - 4.9	71 - 74

## SECTION 4 - FIRE AND EXPLOSION DATA

Flammability	Yes	No <input checked="" type="checkbox"/>	If yes, under what conditions?	Surrounding fire.
Means of extinction				
Use water, dry chemical, carbon dioxide, or foam.				
Special Procedures: Firefighters should wear full protective clothing, including self-contained breathing apparatus.				
Flashpoint	Upper Flammable Limit		Lower Flammable Limit	
Not applicable	Not applicable		Not applicable	
Autoignition Temperature	Sensitivity to impact		Sensitivity to Static Discharge	
Not applicable	Protect against physical damage.		Prevent accumulation of electrostatic discharge.	
Hazardous Combustion Products				
Carbon monoxide and carbon dioxide.				

## SECTION 5 - REACTIVITY DATA

Chemical Stability	Yes <input checked="" type="checkbox"/>	No	If no, under which conditions?	Coagulation may occur following freezing, thawing and/or boiling.
Incompatibility to other substances	Yes <input checked="" type="checkbox"/>	No	If so, which ones?	Alkalies, mineral acids, strong oxidizing agents.
Reactivity and under which conditions				
Excessive heat, open flame, ignition source or contact with incompatible substances.				
Hazardous decomposition products				
Carbon monoxide, carbon dioxide, acetic acid, aldehydes.				

Product Number: 2039H

**SECTION 6 - TOXICOLOGICAL PROPERTIES**

<b>Route of entry</b>				
Skin Contact Yes	Skin Absorption No	Eye Contact Yes	Inhalation Yes	Ingestion Yes
<b>Effects of Acute Exposure</b> May cause irritation to skin and eyes upon prolonged contact. Repeated or prolonged exposure to vapours may cause headache, dizziness, irritation to mucous membranes and may also cause coughing. Harmful if swallowed. May cause nausea, vomiting and diarrhea. No known hazard for skin absorption.				
<b>Effects of Chronic Exposure</b> May cause chemical dermatitis.				
Exposure Limit	Not available	Irritancy	See effects of acute exposure	
Sensitization	Sensitizer	Carcinogenicity	Not listed	
Reproductive Toxicity	Not available	Teratogenicity	Not available	
Mutagenicity	Not available	Synergistic Products	Not available	

**SECTION 7 - PREVENTIVE MEASURES**

<b>Personal Protective Equipment</b>					
Gloves Yes	Eye Yes	Respirator No	Footwear Yes	Clothing Yes	Other
If checked, specify type Rubber or vinyl gloves. Splash proof chemical goggles required. Respiratory protection is not necessary with normal use when TLV is not exceeded. Use a NIOSH/MSHA approved chemical cartridge respirator with a full face piece to protect against the organic vapour, or a supplied air respirator with a full face piece, whenever mist is generated. Safety boots per local regulations. Wear adequate protective clothing. Emergency shower and eye wash should be in close proximity. Maintain good personal hygiene.					
<b>Engineering Controls</b> Local exhaust at points of emission. Mechanical ventilation is satisfactory.					
<b>Leak and Spill Procedure</b> For large spills, contain and recover liquid into suitable containers. The waste material should be treated by chemical flocculation and disposed or incinerated according to local regulations.					
<b>Waste Disposal</b> Dispose in accordance with local regulations at a government approved incinerator or waste management site.					
<b>Handling Procedures and Equipment</b> Keep from freezing.					
<b>Storage Requirements</b> Keep from freezing. Store in a dry, well ventilated area.					
<b>Special Shipping Information</b> Keep from freezing.					

**SECTION 8 - FIRST AID MEASURES**

<b>Skin Contact</b> Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation persists.	
<b>Eye Contact</b> Flush immediately with clean water for several minutes while holding eyelids apart. Seek medical attention.	
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration and seek immediate medical attention.
<b>Ingestion</b>	If conscious, give 2-3 glasses of water or milk and seek immediate medical attention. Do not give anything to an unconscious person.

**SECTION 9 - PREPARATION INFORMATION**

<b>Prepared by</b>	Technical Department (905)625-1284
<b>Preparation Date</b>	Nov-06
<b>This MSDS cancels and replaces all those previous concerning this product.</b>	
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