

Name: _____

Date: _____

BLM 1-7

Sample MSDS

MATERIAL SAFETY DATA SHEET – 9 Sections

SECTION 1 – PRODUCT INFORMATION

Product Identifier		Acetone		WHMIS Classification (optional)		B2, D2B	
Product Use							
Solvent, general-purpose cleaning of adhesives, contact cements, printing inks, gums, waxes, resins, greases, and oils							
Manufacturer's Name				Supplier's Name			
Happy Chemical Company				Big Chemical Company			
Street Address				Street Address			
5556 Helium Lane				123 Nitro Avenue			
City		Province		City		Province	
Gaseous Bay		BC		Vapour Town		BC	
Postal Code		Emergency Telephone		Postal Code		Emergency Telephone	
X0X 0X0		(604) 234-5678		X5X 5X5		(604) 345-6789	

SECTION 2 – HAZARDOUS INGREDIENTS

Hazardous Ingredients (Specific)	%	CAS Number	LD ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)
Acetone	99-100	67-64-1	5,800 mg/kg (oral, rat)	30,000 ppm (inhal., 4hrs.)

SECTION 3 – PHYSICAL DATA

Physical State	Liquid	Odour and Appearance	Clear, colourless liquid with mildly pungent, sweet and fruity odour		Odour Threshold (ppm)	62 (average)	
Specific Gravity	0.791 at 20°C	Vapour Density (air=1)	2.0	Vapour Pressure (mm Hg)	24-24.71 kPa	Evaporation Rate	5.6 (n-butyl acetate=1)
Boiling Point (°C)	56.2	Freezing Point (°C)	−94.6	pH	n/ap	Coefficient of Water/Oil Distribution	0.58

SECTION 4 – FIRE AND EXPLOSION DATA

Flammability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, under which conditions?				Flammable liquid	
Means of Extinction	Carbon dioxide, dry chemical powder, "alcohol" foam, polymer foam. Water may be ineffective because it will not cool acetone below its flashpoint.						
Flashpoint (°C) and Method	-18°C (cc)		Upper Flammable Limit (% by volume)		Lower Flammable Limit (% by volume)		
			12.8% at 25°C		2.5% at 25°C		
Autoignition Temperature (°C)	465°C		Explosion Data – Sensitivity to Impact		No		Explosion Data – Sensitivity to Static Discharge
							Yes
Hazardous Combustion Products	Carbon monoxide and carbon dioxide						

SECTION 5 – REACTIVITY DATA

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? <div>Acids (for example, nitric acid)</div> <div>Strong oxidizing agents (for example, hydrogen peroxide)</div> <div>Bases (for example, sodium hydroxide)</div>
Reactivity, and under what conditions?	Attacks many forms of plastics and rubber, including rayon	
Hazardous Decomposition Products	Carbon monoxide from prolonged exposure to sunlight	

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

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BLM 1-7
(continued)

<i>Product Identifier</i>	Acetone
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SECTION 6 – TOXICOLOGICAL PROPERTIES

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Ingestion
Effects of Acute Exposure to Product	Irritation; possible effects on central nervous system (CNS); at air concentrations above 8,000 ppm may cause drowsiness, incoordination, loss of reflexes, unconsciousness, and respiratory failure				
Effects of Chronic Exposure to Product	Dermatitis. No significant harmful effects from oral or inhalation exposures.				
Exposure Limits (value, source, date)	250 ppm, 8-hour exposure limit (WCB)				
Sensitization (If yes, explain)	Irritancy (If yes, explain)				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Severe eye irritant, skin and respiratory irritant				
Reproductive Toxicity (If yes, explain)	Carcinogenicity (If yes, explain)				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Mutagenicity (If yes, explain)	Teratogenicity (If yes, explain)				
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	Synergistic Products (If yes, explain)				
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Chlorinated solvents, ethyl alcohol				

SECTION 7 – PREVENTIVE MEASURES

Personal Protective Equipment	<input checked="" type="checkbox"/> Gloves	<input checked="" type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye	<input type="checkbox"/> Footwear	<input type="checkbox"/> Clothing	<input type="checkbox"/> Other
If checked, specify type	Butyl rubber gloves. NIOSH-approved respirator with organic vapour cartridge for air concentrations up to 2,500 ppm. Splash-proof chemical safety goggles or face shield.					
Engineering Controls (specify, such as ventilation, enclosed process)	Use mechanical ventilation to reduce exposure. Use non-sparking and grounded ventilation system.					
Look and Spill Procedure	Eliminate all ignition sources. Wear adequate protective equipment. Contain spill with absorbent material and place in a suitable covered and labelled container for disposal.					
Waste Disposal	Check with federal, provincial, and local government requirements for disposal.					
Handling Procedures and Equipment	Use in a well-ventilated area, away from heat and all ignition sources (including sparks, open flames, and hot surfaces). Do not use with incompatible substances. Use grounded and non-sparking equipment.					
Storage Requirements	Store in cool, well-ventilated area out of direct sunlight, away from heat and ignition sources. Storage facilities should be made from fire-resistant materials.					
Special Shipping Information	TDG shipping name: Acetone, Classification 3, Flammable liquid, Packing Group II					PIN 1090

SECTION 8 – FIRST AID MEASURES

Inhalation	Remove source of contamination or move victim to fresh air.
Ingestion	If conscious, have victim rinse mouth thoroughly with water; do not induce vomiting; have victim drink 240-300 mL of water. Obtain medical attention immediately.
Skin Contact	Flush with water for 15 minutes.
Eye Contact	Immediately flush contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, while holding eyelids(s) open. Obtain medical attention immediately.

SECTION 9 – PREPARATION INFORMATION

Prepared by (Group, Department, etc.)	Sally Safemeister	Telephone Number	(604) 123-2222	Preparation Date	January 4, 2006
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