

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. This Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)	Note: Blank spaces are not permitted. If any item is not
	applicable, or no information is available, the space must be
PROPYLENE	marked to indicate that.

Section I

Manufacturer's Name	Emergency Telephone Number
BernzOmatic	800-424-9300
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
	800-654-9011
1 Bernzomatic Drive	Date Prepared
	June 11, 2011
Medina, NY 14103	Signature of Preparer (optional)
,	

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	US OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Propylene (CAS No. 115-07-1)	Not Established	500 ppm		99.5-100%
Propane (CAS No. 74-98-6)	1000ppm	1000ppm		0-0.5%
NFPA HAZARD RATINGS			HMIS RATING	rS
Health – 1			Health	-1
Flammability – 4			Flamm	ability – 4
Reactivity - 1			Reactiv	vity - 1

Notes:

Section III - Physical/Chemical Characteristics

Boiling Point:	-54° F	Specific Gravity ($H_2O = 1$):	0.52 (liquid)	
Vapor Pressure (mm Hg.):	109.73 psig @ 70° F	Melting Point:	-301° F	
Vapor Density (AIR = 1):	1.5 @ 32° F	Evaporation Rate (Butyl Acetate = 1):		
Molecular Weight:	42	Percent Volatile by Weight:	100%	
Solubility in Water: Slight.				
Appearance and Odor (At Normal Conditions): Appearance: Colorless gas. Odor: Hydrocarbon.				



Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):		Flammable Limits:	LEL	UEL
-162° F				
General Fire Hazards:				
	and ex	releases vapors that readily plosion hazard when expos I may travel long distances ne.	ed to hear, sparks or flame.	Vapors are heavier than
Hazardous Combustion Products:				
	Carbo	n monoxide, carbon dioxide	and various non-combuste	d hydrocarbons.
Extinguishing Media:				
	Dry ch	emical, foam, carbon dioxi	de, Halon or water.	
Special Fire Fighting Procedures:				
Unusual Fire and Explosion Hazard	ls:			
	may ru (BLEV) of gas supply allow	treme caution when fighting the properties of th	y without warning due to vong vapor explosions). If safout. Extinguishing the flar blosive mixtures. In some can. Use water to cool equipment.	ressel overpressure the to do so, stop the flow the before shutting off the tases it may be preferred to

Section V - Reactivity Data

Stability:	Unstable		Conditions to Avoid:
	Stable	X	
Incompatibility (Materia	als to Avoid):		
Strong oxidizers such as	nitrates, perchlorates, chl	orine and fluorine.	
Hazardous Decomposition	on or Byproducts:		
Carbon oxides and vario	us hydrocarbons formed v	when burned.	
Hazardous	May Occur		Conditions to Avoid:
Polymerization:			
	Will Not Occur	X (Except under special conditions such	Sources of heat, sparks or flame.
		as extreme	
		temperature, pressure	
		and oxidizers).	



Section VI - Health Hazard Data

Overview: This product contains propylene. A colorless liquid that rapidly turns into a gas at standard atmospheric temperatures and pressure. Propylene has a slight hydrocarbon odor. In commerce propylene is packaged as a liquefied and gas under pressure. Propylene is extremely flammable and explosive. At high concentrations it acts as a simple asphyxiant by diluting and displacing oxygen, particularly in confined spaces. Direct contact with liquefied product may cause freeze burns and frontbite. Use this product only in well ventilated areas and, where appropriate, proper respiratory protection and personal protective equipment should be worn.

						t with liquefied product may
					ated areas and, where ap	ppropriate, proper respiratory
	sonal protec		ent should be worn			T
Route(s) of Entry:		Inhalation's YES	<i>!</i>	Skin?		Ingestion?
Health Hazards (Ad	cute and Ch	ronic)				
		Target	Organs: Respirator	ry systei	n.	
Carcinogenicity:	NTP?		IARC?		ACGIH?	OSHA Regulated?
	Not listed		Not listed as a		Not listed as a	Not listed as a
	carcinoge		carcinogen		carcinogen	carcinogen
Signs and Sympton Medical Condition	-	Inhala central and sin and de Eyes: expand Skin: expand Ingesti	I nervous system de milar narcotic symp ath by displacing o Vapor is generally a ding gases may caus Vapor is generally reding gases may caus ding gases di	pression toms. E xygen fa non-irrit se freeze non-irrit se freeze t likely.	n producing dizziness, of a xtremely high concentration the breathing atmostating to the eyes. Contain rapidly e burns and frontbite, ating to the skin. Contain the burns and frontbite.	rations can cause asphyxiation
		Chron	ic diseases or disord	ders of t	he respiratory system.	
Toxicological Info	rmation:					
		concer system Toxici availal (NIOS	ntrations propylene natic toxicity. High ty data can be foun ble on-line from the	acts as a concent d in the	a simple asphyxiant wit rations can cause death Registry of Toxic Effec	mucous membranes. At high thout significant potential for a due to oxygen depletion. cts of Chemical Substances ional Safety and Health
Emergency and Fin	rst Aid Proc					
W		lifting <u>Skin C</u> attenti- warm WATI <u>Ingesti</u>	the eyelids. Seek months of the contact: Remove conton if irritation or rewater or wrap in black. Seek immediates	nedical a ntamina dness de ankets it e medica on is ext	attention. Ited clothing. Wash with evelops. In case of frost f warm water is not ava al attention. Items of the state o	15 minutes while occasionally h soap and water. Get medical thite, place affected area in illable. DO NOT USE HOT ediate medical attention in
Warning:		FD1 : 0	1 11 1	C	1	
					bustion of this fuel, cor r, birth defects, and oth	ntain chemicals known to the ner reproductive harm.



Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Ma	terial is Released or Spilled:
	Evacuate area of all unnecessary personnel. Remove or shut off all sources of ignition.
	Ventilate the area thoroughly.
Waste Disposal Method:	
	Must be in accordance with appropriate Federal, State and local regulations.
Precautions to Be taken in Har	ndling and Storing:
	Handling: Keep away from flame, sparks and excessive temperatures. Use only in well-ventilated areas.
	Storage: Store in a cool, dry, well-ventilated area away from sources of ignition, strong oxidizers or other incompatible materials. Post "No Smoking or Open Flame" signs in the storage and use areas. Protect cylinders against physical damage. Do not cut, drill,
	grind or weld on empty cylinders since they may contain explosive residues. Do not attempt to refill cylinders.
Other Precautions:	

Section VIII - Control Measures

Respiratory Protection (Specify Type):	
ambient concentrations of professional advice prior CFR 1910.134). Select re protection for given work	bove 19.5% in the workplace. Respirators must be worn if f contaminants exceed prescribed exposure limits. Seek to respirator selection and use. Follow OSHA regulations (29 spirator based on its suitability to provide adequate worker conditions, level of airborne contamination, and presence of required, only NIOSH approved respirators should be used.
Ventilation:	
	to keep gas and vapor concentration of this product below the d flammability limits, particularly in confined spaces. Use at is explosion proof.
Local Exhaust –	
Mechanical (General) –	
Special –	
Other –	
Protective Gloves:	Eye Protection:
Should be worn as required for welding or	Use safety glasses or goggles as required for
burning.	welding or burning. Use splash-proof goggles or faceshield
Use insulated gloves where there is a possibility of liquid contact.	where there is a possibility of liquid contact.
Other Protective Clothing or Equipment:	
Protective clothing should	d be worn to prevent skin contact.
Work/Hygienic Practices:	
Engineering Controls:	
	practice requires that engineering controls be used where
feasible to reduce workpl	ace concentrations of hazardous materials.



Precautions to be taken in Handling and Storing: None
Other Precautions: None

Section X – Transportation Information

WHMIS Classification:	
Class:	
	2.1 (Flammable Gas)
Proper Shipping Name:	
	Propylene
Shipping Description:	•
	Propylene, 2.1 (Petroleum gases, liquefied/UN1077)
Packing Group:	
	N/A
Hazard Classification:	
	Product is classified as a Hazardous Substance under 29 CFR 172.101
UN Number:	
	1077
Marking:	
-	Propylene, UN1077
Label:	
	Flammable Gas
Placard:	
	Petroleum gasses, liquefied / UN1077
Hazardous Substance/RQ:	
-	N/A
Packaging References:	
	49 CFR 173.304, 173.306, 173.314 and 173.315

Section XI – Regulatory Data

US Federal Regulations:	
-	 OSHA Hazardous Communication (29 CFR Part 1910.1200): This product is hazardous as defined in OSHA's Hazard Communication standard
	 OSHA Product Safety Management (29 CFR Part 1910.119): This product may be subject to OSHA's Process Safety Management of Highly Hazardous Chemicals standard.
	• CERCLA Reportable Quantities (40 CFR Part 203.4): This product is not reportable under 40 CFR Part 302.4.
	• Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under 40 CFR Part 355.
	• SARA 311/312 Hazard Class (40CFR Part 370): The following hazard categories apply to this product:
	 Acute Health Hazard Fire Hazard Sudden Release of Pressure
	 Sudden Release of Pressure SARA 313 (40 CFR Part 372): Propylene is subject to the Toxic Release Reporting requirements of 40 CFR Part 372.
	 TSCA Inventory Status: Propylene is listed on the TSCA Inventory.
	• Chemical Accident Prevention Provisions (40 CFR Part 68): Propylene is subject



	to the reporting requirements of 40 CFR Part 68.
State Regulations:	 California Proposition 65: Propylene is not on the California Proposition 65 lists. The following states are known to have specific regulations applicable to ingredients in the product: Massachusetts Minnesota New Jersey Pennsylvania Rhode Island

Section XII - Additional Information

DISCLAIMER: All information in the Material Safety Data Sheet is believed to be accurate and reliable. However, no guarantee or warranty of any kind is made with regard to the accuracy of information or the suitability of the recommendations contained herein. It is the user's responsibility to assess the safety and toxicity of this product under their own conditions of use and to comply with all applicable laws and regulations.

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