



Material Safety Data Sheet

May be used to comply with OSHA's
Hazard Communication Standard

HMIS SYMBOL	SEVERE	4	EXTREME	NFPA	NFPA SYMBOL
HEALTH	2	SERIOUS	3	HIGH	4
FLAMMABILITY	4	MODERATE	2	MODERATE	2
REACTIVITY	1	SLIGHT	1	SLIGHT	1
	MINIMAL	0	INSIGNIFICANT		

Product: **MARC 848 & 849 AEROSOL SPRAY PAINT**

Section I - GENERAL INFORMATION

Company	Mid-American Research Chemical Corp.	Telephone No.	(402)564-7104	Fax No.	(402)563-1290
Address	P O Box 927 Columbus NE 68602-0927	Date	04/10/96	Formula	Trade Secret

Info Trac 24 Hour Emergency Telephone No. 1-800-535-6053

Section II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Component	CAS Number	Exposure TLV (Units)	%(Optional)
Xylene	1330-20-7	100 ppm	
Ethyl Benzene	100-41-4	100 ppm	
Formaldehyde	50-00-0	1 ppm	
Toluene	108-88-3	50 ppm	
Acetone	67-64-1	750 ppm	
Methyl Alcohol	67-56-1	200 ppm	
Varnish Makers & Painters		300 ppm	
Naphtha	8032-32-4	300 ppm	
Hexane	110-54-3	50 ppm	
Propane	74-98-6	1000 ppm	
Isobutane	75-28-5	N/D	

Section III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (° F.)	N/A	Specific Gravity (H ₂ O=1)	0.834
Vapor Pressure (mm Hg) P.S.I.A. @ 70°F.	40	Melting Point (° F.)	N/A
Vapor Density (Air=1)	>1	Evaporation Rate (Butyl Acetate=1)	>1
Solubility in Water None			
Appearance and Odor Liquid paint various colors, solvent odor.			

Section IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (° F.) (Method Used) Aerosol - -10°F. (T.O.C.)
Extinguishing Media Foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures Water spray may be ineffective. Water may be used to cool containers to prevent bursting. If water is used, fog nozzles are preferable. Wear self-contained breathing apparatus and goggles.
Unusual Fire and Explosion Hazards Exposure to heat may cause bursting of aerosol can.

N/A = Not Applicable
N/D = Not Determined

(Continued on Reverse Side)

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Section V - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Do not store above 120°F.
	Stable	X	
Incompatibility (Materials to Avoid)	None known		
Hazardous Decomposition or Combustion By-Products	Carbon dioxide and carbon monoxide.		
Hazardous Polymerization	May Occur	Conditions to Avoid	N/A
	Will Not Occur	X	

Section VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation	X	Eyes/Skin	X	Ingestion	X
Health Hazards (Acute & Chronic)	(SEE SIGNS AND SYMPTOMS BELOW)					
High vapor concentrations are irritating to the eyes and the respiratory tract. May cause headaches and dizziness, are anesthetic, and may have other nervous-system effects including death.						
Carcinogenicity:	NTP	X	IARC Monographs	X	OSHA Regulated	X
Formaldehyde						
Signs and Symptoms of Overexposure						
Eyes: Irritation especially upon direct contact with spray. Skin: Prolonged or repeated liquid contact may cause defatting of the skin, leading to irritation and dermatitis. Inhalation: Irritation, headache, dizziness, nausea, possible unconsciousness and asphyxiation. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal. Ingestion: Accidental ingestion is unlikely from an aerosol can. If ingested, call physician immediately.						
Medical Conditions Generally Aggravated by Exposure						
Dermatitis, lung disease.						
Emergency and First Aid Procedures						
Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention. Skin: Wash with soap and water. Ingestion: Call a physician immediately. Inhalation: Remove patient to fresh air. If breathing stops, begin artificial respiration. Seek immediate medical attention.						

Section VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled Remove all sources of ignition. Avoid breathing vapors, ventilate area, wipe up with inert materials and place in appropriate container.
Waste Disposal Method Do NOT incinerate aerosol. Dispose of in accordance with government regulations. Do NOT place aerosol cans in home compactor. DO NOT PUNCTURE CANS.
Precautions to be Taken in Handling and Storing Do not store above 120°F. Do NOT store near heat, sparks or open flames. Exposure to heat or prolonged exposure to sun may cause bursting.
Other Precautions KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!

Section VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)			
A self-contained breathing apparatus required for concentrations above TLV limits.			
Ventilation	Local Exhaust	<input checked="" type="checkbox"/>	Mechanical (General) <input type="checkbox"/>
Other	Use with adequate ventilation, sufficient to prevent inhalation of solvent vapors.		
Protective Gloves	Optional		Eye Protection: Safety glasses
Other Protective Clothing or Equipment			
Work/Hygienic Practices			

While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.