

(3683-00)

(GOLD LEAF ADHESIVE SIZE)

27004-1005

MATERIAL SAFETY DATA SHEET
 (Complies with OSHA Communication Standard 29 CFR 1910.1200 Dept. of Labor)
 Form approved OMB No. 1218-0072
 OSHA 174 - Sept. 1985

Health	2
Flammability	4
Reactivity	0

IDENTITY:

SPRAY ADHESIVE
 TM-1696

3683-00

Section I

Manufacturer's Name	Aerosol Systems, Inc.	Emergency Telephone Number	(216) 467-4195
Address	9150 Valley View Road	Telephone Number for Information	(216) 467-4195
	Macedonia, OH 44056	Date Prepared	1/30/89
Marketers name must be used above per OSHA		Signature of Preparer (optional)	<i>[Signature]</i>

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s))	OSHA PEL	ACGIH TLV	STEL	%(optional)
*Methylene Chloride (75-09-2)	100	50	500	63
*Toluene (108-88-3)	200	100	150	3
Propane/Isobutane (74-98-6)	1000	1000	Asphyxiant	29
Non Hazardous	-	-	-	5

(See attached sheet for SARA TITLE III Notification and additional health data.)

V-32221

DOT SHIPPING - Consumer Commodity ORM-D

Section III - Physical/Chemical Characteristics

Boiling Point (Range)	-40°F to 232°F	Specific Gravity (H ₂ O = 1)	0.9
Vapor Pressure PSIG @ 70°F	60	Melting Point	Liquid NA
Vapor Density (AIR = 1) Heavier than Air	4.0	Evaporation Rate (Butyl Acetate = 1)	>1
Solubility in Water	Nil		
Appearance and Odor	Pale Yellow/Solvent Odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	-40°F I.C.C.	Flammable Limits	LEL 1.8	UEL 12.0
Extinguishing Media	Use water fog, dry chemical or carbon dioxide			

Special Fire Fighting Procedures
 Aerosol cans may rupture when heated

Unusual Fire and Explosion Hazards

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	High Temperatures
Incompatibility (Materials to Avoid)		Methylene chloride will react with active metals. The above solvents are incompatible with strong oxidizers.	
Hazardous Decomposition or Byproducts In fire will decompose to water, carbon dioxide, halogen acids and phosgene.			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic) May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. Methylene chloride will have an effect on the cardio vascular system.			

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Inhalation of high concentrations of Methylene Chloride vapor over long periods of time (years) have produced tumors in laboratory animals.			

Signs and Symptoms of Exposure
Inhalation - Difficulty in breathing. Skin-redness. Ingestion-vomiting.

Medical Conditions
Generally Aggravated by Exposure: Heart Disease; Respiratory Disorders.
Emergency and First Aid Procedures
Give oxygen - Do not induce vomiting - Gastric lavage - Wash eyes and skin with water.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:
Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
Waste Disposal Method
Dispose as hazardous waste in accordance with EPA RCRA.
Precautions to be Taken in Handling and Storing
Keep away from heat, sparks, or open flame. Store at temperatures below 120°F.
Other Precautions
None

Section VIII - Control Measures

Respiratory Protection (Specify Type) Self contained breathing apparatus if above TLV limit exceeding.			
Ventilation	Local Exhaust	Yes	Special
	Mechanical (General)	None	None
Protective Gloves	None required if spraying		Eye Protection
			Wear eye protection
Other Protective Clothing or Equipment Long sleeve and long pants			
Work/Hygenic Practices: Do not smoke while using. Wash hands after use.			

ATTACHMENT FOR TM-1696 - SPRAY ADHESIVE

All chemical compounds marked with an asterisk () are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

The acceptable ceiling concentration for methylene chloride is 1000 ppm. The acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 2000 ppm for 5 minutes in any 2 hours for methylene chloride.

The acceptable ceiling concentration for toluene is 300 ppm. Acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 500 ppm for 10 minutes for toluene.