!! This is an ARCHIVE Record !!

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MSDS Safety Information
                                                                                                          TOP
     FSC: 6850
                                       MSDS Date: 07/11/1986 MSDS Num: BMYXR
Submitter: N EN
                    LIIN: 00N029444
                                         Tech Review: 09/13/1995
                                                                    Status CD: C
  Product 765-1401, DISC BRAKE SILENCER TM-1646
                                                                      MFN: 01
       ID:
   Article: N
                                                                        Kit N
                                                                      Part:
            Responsible Party
                                    Cage: 2F853
    Name: AEROSOL SYSTEMS INC
  Address: 9150 VALLEY VIEW RD
     City: MACEDONIA
                                                                    Zip: 44056
                                          State: OH
             Country: US
   Info Phone Number: 216-467-4195
  Emergency Phone Number: 216-467-4195
                              Preparer's Name: LLOYD FLANNER
           Proprietary Ind: N
                                                           Review Ind: N
                 Published: Y
                                                    Special Project CD: N
                                           Contractor Summary
                                                                                                          TOP
                    Name: AEROSOL SYSTEMS INC
    Cage:2F853
  Address: 9150 VALLEY VIEW RD
                                                                     Zip:44056-
     City:MACEDONIA
                                        State:OH
                                                                         2013
                     Country:US
                                            Phone: 216-467-4195 / 216-467-6641
                                                                                                           TOP
                                                Ingredients
         Cas: 74-98-6
                                   Code: M
                                                       RTECS #: TX2275000 Code: M
       Name: PROPANE
                                             Environmental Wt:
     % Text: 15
                                             Other REC Limits: N/K
                                                           OSHA
STEL:
    OSHA PEL: 1000 PPM
                                    Code: M
                                                                            Code:
                                                           ACGIH N/P
   ACGIH TLV: SIMPLE ASPHYXIANT Code: M
                                                                            Code:
                                                            STEL:
   EPA Rpt Qty:
                                                          DOT Rpt
                                                             Otv:
                Ozone Depleting Chemical: N
         Cas: 67-64-1
                                   Code: M
                                                       RTECS #: AL3150000 Code: M
       Name: ACETONE
                                             Environmental Wt:
     % Text: 11
                                             Other REC Limits: N/K
    OSHA PEL: 1000PPM
                                                            OSHA
                                    Code: M
                                                                            Code:
                                                            STEL:
                                                           ACGIH N/P
STEL:
   ACGIH TLV: 750PPM/1000STEL;9293 Code: M
                                                                            Code:
   EPA Rpt Qty: 5000 LBS
                                                          DOT Rpt 5000 LBS
Qty:
                Ozone Depleting Chemical: N
         Cas: 141-78-6
                                   Code: M
                                                       RTECS #: AH5425000 Code: M
       Name: ACETIC ACID, ETHYL ESTER; (ETHYL ACETATE)
     % Text: 12
                                             Environmental Wt:
                                             Other REC Limits: N/K
    OSHA PEL: 400 PPM
                                                            OSHA
                                    Code: M
                                                                            Code:
                                                           ACGIH N/P
STEL:
   ACGIH TLV: 400 PPM
                                    Code: M
                                                                            Code:
                                                          DOT Rpt 5000 LBS
Qty:
   EPA Rpt Qty: 5000 LBS
                Ozone Depleting Chemical: N
         Cas: 75-09-2
                                   Code: M
                                                       RTECS #: PA8050000 Code: M
       Name: METHANE, DICHLORO-; (METHYLENE CHLORIDE)
```

% Text: 15 **Environmental Wt:** Other REC Limits: N/K OSHA PEL: 500 PPM;1000 PPM, C OSHA STEL: Code: M Code: ACGIH N/P STEL: ACGIH TLV: 50 PPM Code: M Code: EPA Rpt Qty: 1000 LBS DOT Rpt 1000 LBS Qty: Ozone Depleting Chemical: N Health Hazards Data TOP LD50 LC50 MixtureNONE SPECIFIED BY MANUFACTURER. Route Of Entry Inds - Inhalation: YES Skin:YES **Ingestion:**YES Carcinogenicity Inds - NTP:YES **OSHA:**NO **IARC:**YES **Health Hazards Acute And Chronic** (ACUTE & CHRONIC) MAY CAUSE DIZZ/NARCOSIS IN HIGH VAP CONC. WILL CAUSE DEFAT OF SKIN. EFTS ARE REVERSIBLE. LONG TERM EXPOS (YRS) TO VAP MAY CAUSE LUNG, LIVER/KIDNEY DMG. CHLOROCARBON MATLS HAVE PRODUCED SENSIT OF MYOCARDIUM TO EPINEPHRINE I N LAB ANIMALS COULD HAVE A SIMILAR EFT IN HUMANS. ADRENOMIMETICS (SUPP DATA) **Explanation Of Carcinogenicity** METHYLENE CHLORIDE: GROUP 2 (NTP); GROUP 2B (IARC). **Signs And Symptions Of Overexposure** INHAL: DIFFICULTY IN BREATHING. SKIN: REDNESS. INGEST: VOMITING. **Medical Cond Aggravated By Exposure** HEART DISEASE. First Aid INHAL: GIVE OXYGEN. INGEST: DO NOT INDUCE VOMITING. GASTRIC LAVAGE. EYES/SKIN: WASH WITH WATER FOR AT LEAST 15 MINUTES. CONTACT MD FOR ALL CASES (FP N). **Spill Release Procedures** USE ABSORBENT SWEEPING COMPOUND TO SOAK UP MATERIAL. PUT INTO CONTAINER. DISPOSE AS HAZARDOUS WASTE. **Neutralizing Agent** NONE SPECIFIED BY MANUFACTURER. **Waste Disposal Methods** DISPOSE AS HAZARDOUS WASTE IN ACCORDANCE WITH EPA RCRA, DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N). **Handling And Storage Precautions** KEEP AWAY FROM HEAT, SPARKS, OR OPEN FLAME. STORE AT TEMPERATURES BELOW 120F. **Other Precautions** NO SMOKING IN AREA OF USE. DO NOT USE IN THE GENERAL VICINITY OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT AND/OR UVRADIATION MAY CAUSE THE FORMATION OF HCL AND/OR PHOSGENE (FP N). **TOP** Fire and Explosion Hazard Information Flash Point Method: TCC **Flash Point:** Flash Point Text: -40F,-40C **Autoignition Temp:** Autoignition Temp Text: N/A **Lower Limits: 1.8% Upper Limits: 12% Extinguishing Media** USE WATER FOG, DRY CHEMICAL OR CO2. Fire Fighting Procedures WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT (FP N). AEROSOL CANS MAY RUPTURE WHEN HEATED. Unusual Fire/Explosion Hazard HEATED CANS MAY BURST. THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL & PHOSGENE (FP N).

**Respiratory Protection** 

NIOSH/MSHA APPROVED SCBA IF TLV LIMIT EXCEEDED.

Ventilation

Control Measures

**TOP** 

LOCAL EXHAUST: RECOMMENDED. **Protective Gloves** IMPERVIOUS GLOVES (FP N). **Eve Protection** CHEMICAL WORKERS GOGGLES (FP N). **Other Protective Equipment** LONG SLEEVE AND LONG PANTS. **Work Hygienic Practices** DO NOT SMOKE WHILE SPRAYING; WASH HANDS AFTER USE. **Supplemental Safety and Health** HLTH HAZ: (E.G., EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY OR CHRONICALLY EXPOSED TO CHLOROCARBONS (FP N). **TOP Physical/Chemical Properties** HCC: V3 NRC/State LIC No: **Net Prop WT For Ammo: Boiling Point: B.P. Text:** >-40F, >-40C Melt/Freeze Pt: M.P/F.P Text: N/A **Decomp Temp:** Decomp Text: N/K Vapor Pres: 42 PSIG Vapor Density: 4.0 **Volatile Org Content %: Spec Gravity: 0.8 VOC Pounds/Gallon:** PH: N/K **VOC Grams/Liter:** Viscosity: N/P **Evaporation Rate & 2.5** (BUTYL ACETATE = 1) Reference: **Solubility in Water: NONE** Appearance and Odor: BLUE LIQUID-SOLVENT ODOR. Percent Volatiles by Volume: N/K Corrosion Rate: N/K **TOP** Reactivity Data **Stability Indicator:** YES NONE Stability Condition To Avoid: HIGH TEMPERATURES. **Materials To Avoid:** Hazardous Decomposition IN FIRE WILL DECOMPOSE TO CO2 AND Products: WATER. HCL, PHOSGENE (FP N). **Hazardous Polymerization NO Indicator:** Conditions To Avoid NOT RELEVANT **Polymerization**: **TOP Toxicological Information** Toxicological Information: N/P TOP **Ecological Information Ecological:** N/P **MSDS** Transport Information **TOP** Transport Information: N/P **TOP Regulatory Information** Sara Title III Information: N/P Federal Regulatory Information: N/P State Regulatory Information: N/P

Other Information		TOP	
Other Information: N/P			
HMIS Transportation Information			
Responsible Party Cage: 2F853	Trans ID NO: 34059		
<b>Product ID:</b> 765-1401,	DISC BRAKE SILENCER TM-1646		
MSDS Prepared Date: 07/11/1986 MFN: 1	Review Date: 06/30/1992		
Submitter: N TN	Status C CD:		
Article W/O MSDS: N	Tech Entry NOS Shipping Nm:		
Radioactivity:	Form:		
<b>Net Explosive Weight:</b>			
Coast Guard AMMO Code:	Magnetism: N/P		
Net Unit Weight:	AF MMAC Code:		
<b>DOD Exemption NUM:</b>	Limited Quantity IND:		
Multiple KIT Number: 0	Kit IND: N		
Kit Part IND: N	Review IND: Y		
Unit Of Issue: NK	Container QTY: NK		
Type Of Container:			
Additional Data:			
	Detail DOT Information		
DOT PSN Code: DTJ	Symbols: D		
<b>DOT Proper Shipping Name: CONSUM</b>	· ·		
DOT PSN Modifier:			
Hazard Class: ORM-D	UN ID Num:		
<b>DOT Packaging Group:</b>			
Label: NONE			
<b>Special Provision:</b>			
Packaging Exception:			
Non Bulk Pack: 156,306	Bulk Pack: NONE		
Max Qty Pass: 30KGGRO	OSS Max Qty 30KGGROSS Cargo:		
Vessel Stow Req: A			
Water/Ship/Other Req:			
	Detail IMO Information		
IMO PSN Code: AIY			
IMO Proper Shipping Name: AEROSO	L DISPENSERS ?		
IMO PSN Modifier: ,WITH A	CAPACITY OF 1000 CUBIC CM OR LESS		
<b>IMDG Page Number:</b> 9022	UN Number: 1950		
<b>UN Hazard Class: 9?</b>	IMO Packaging Group: -		
Subsidiary Risk Label: -			
EMS Number: 2-13	MED First Aid Guide NUM:		
	Detail IATA Information		
IATA PSN Code: ALS	IATA UN ID NUM: 1950		
IATA Proper Shipping Name: AERO	OSOLS, FLAMMABLE, N.O.S.		
	CH NOT EXCEEDING 1 L CAPACITY)		
IATA UN Class: 2.1	Subsidiary Risk Class:		
IATA Label: FLA	MMABLE GAS		
<b>UN Packing Group:</b>	Packing Note Passenger: 203		
Max Quant Pass: 75KC	G Max Quant Cargo: 150KG		
Packaging Note Cargo: 203	<b>Exceptions:</b>		

**Detail AFI Information** 

**TOP** 

AFI PSN Code: ALS **AFI Symbols:** AFI Proper Shipping Name: AEROSOLS, NONFLAMMABLE, N.O.S.

AFI PSN Modifier: CONTAINING SUBSTANCES IN CLASS 8, PACKING GROUP I OR II

**AFI Hazard Class: FORB** AFI UN ID NUM: N/A

AFI Packing Group: N/A

**AFI Label:** 

Special Provisions: N/A **Back Pack Reference: FORBIDDEN** 

**HMIS HAZCOM Label** 

**TOP** 

Product ID: 765-1401, DISC BRAKE SILENCER TM-1646 Cage: 2F853 Assigned IND: N

Company AEROSOL SYSTEMS INC

Name:

Street: 9150 VALLEY VIEW RD

PO Box:

City: MACEDONIA **Zipcode:** 44056-2013 State: OH

Country: US

Health Emergency Phone: 216-467-4195

Label Required IND: Y Date Of Label Review: 04/06/1992

**Status Code: C** MFG Label NO: Label Date: 04/06/1992 Year Procured: N/K **Origination Code: G Chronic Hazard IND: Y Eye Protection IND: YES Skin Protection IND: YES** Signal Word: DANGER **Respiratory Protection IND: YES** 

Health Hazard: Moderate Contact Hazard: Slight Fire Hazard: Severe Reactivity Hazard: None

## **Hazard And Precautions**

STORE BELOW 120F. KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAME, ACUTE: MAY CAUSE DIZZINESS OR NARCOSIS IN HIGH VAPOR CONCENTRATIONS. WILL CAUSE DEFATTING OF SKIN. EFFECTS ARE REVERSIBLE.DO NOT SMOKE WHILE SPRAYING. WASH HANDS AFTER USE. CHRONI C: LONG TERM EPOSURE (YEARS) TO VAPOR MAY CAUSE LUNG. LIVER OR KIDNEY DAMAGE. CHLOROCARBON MATERIALS HAVE PRODUCED SENSITIVITY OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS AND COULD HAVE SIMILAR EFFECT IN HUMANS.

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