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

IDENTITY:

METHYL METHACRYLATE

DOT Shipping - Consumer Commodity ORM-D

Manufacturer's Name: Aerosol Systems, Inc.
Address: 6150 Valley View Road
Macedonia, OH 44056

Date Prepared: 7/26/93

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Names(s)
OSHA PEL · ACGIH TLV · STEL · % (options)
Hexane (110-54-3) · 50 · 50 · - · 1-10
Diacetone Alcohol (123-42-2) · 50 · 50 · - · 1-10
*Toluene (108-88-3) · 100 · 100 · 150 · 50-60
*Xylene (1330-20-7) · 100 · 100 · 150 · 1-10
*Zinc Stearate (557-05-1) · 5mg/m³ · 10mg/m³ · - · 1-10
Propene/Isobutene/ n-Butane (74-98-6) · 1000 · 1000 · Asphyxiating · 1-10

Non-hazardous (Acrylic Resin) · - · - · - · 1-10

Acceptable ceiling concentration for toluene - 300ppm; max peak above ceiling - 8hr shift - 50ppm.

Technical grade xylene contains 18-20% ethylbenzene (100-41-4) which has 100ppm PEL, 100ppm TLV, 125ppm STEL, and is subject to the reporting requirements of Section 313 of SARA Title III.

*All chemicals compounds marked with an Asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund 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.

Section III - Physical/Chemical Characteristics

Boiling Point Range · Specific Gravity (H₂O = 1)
-4°F to 229°F · 0.8
Vapor Pressure PSIG @ 70°F · Melt Point
ND · Liquid
Vapor Density (AIR = 1) · Evaporation Rate
Heavier than Air · (Butyl Acetate = 1)
4.0 · Y
Solubility in Water · Appearance and Odor
Nill · Clear/Solvent

Section IV - Fire and Explosion Hazard Data
NFPA 30B Rating: 3

Flash Point (Method Used) · Flammable Limits
-142°F TIC · LEL · 1.8 · UEL · 9.5

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 · Heated cans may burst
Section V - Reactivity Data

| Stability   | Unstable | Stable | Conditions to Avoid
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<td></td>
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<td></td>
<td>X High Temperatures</td>
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Incompatibility (Materials to Avoid)
Incompatible with strong oxidizers, strong alkalies, strong mineral acids.

Hazardous Decomposition or Byproducts
In fire, will decompose to carbon dioxide, water.

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>Will not Occur</th>
<th>None</th>
</tr>
</thead>
</table>

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) to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.

Aspiration hazard if swallowed. Eye and skin irritant. Eye irritation may be severe.

May irritate respiratory tract.

Hexane may damage peripheral nerve tissue.

Overexposure to toluene may cause nasal and brain damage.

Diacetone Alcohol may produce anemia.

Carcinogenicity:
- NTP? Yes
- IARC Monographs? Yes
- CSHA Regulated? Yes

Contains a substance or substances known to the state of California to cause cancer or reproductive harm.

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 When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

Section VIII - Control Measures

Respiratory Protection (Specify Type)
- Self contained breathing apparatus if above TLV limit exceeding

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<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Yes</th>
<th>Special</th>
<th>None</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Mechanical (General)</td>
<td>None</td>
<td>Other</td>
<td>None</td>
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Protective Gloves
- None required if spraying
- Eye Protection: Wear eye protection

Other Protective Clothing or Equipment