

MSDS - Material Safety Data Sheet**Product Name: Aerosol Dust & Dirt Hardner**

MSDS No.: 638CA

I. Basic Information:**Manufacturer:** Sirchie Finger Print Laboratories**Address:** 100 Hunter Place**City, ST Zip:** Youngsville, NC 27596**Country:** USA**Contact:** Tech Support**Information Telephone Number:** 919-554-2244**Emergency Contact:** ChemTrec**Emergency Telephone Number:** 800-424-9300**Emergency Restrictions:****Product Name:** Aerosol Dust & Dirt Hardner**MSDS No.:** 638CA**Issue Date:** 11/15/2011**Supersedes Date:** Not Available**II. Hazards Identification:****EMERGENCY OVERVIEW**

Contents extremely flammable and under pressure. Store below 120-degrees, out of sunlight and away from heat sources. Do not puncture or incinerate. Avoid contact with skin and eyes. Vapor harmful. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

EYES: Liquid or vapor may cause redness, burning, tearing, swelling and/or pain.

SKIN: Frequent or prolonged contact may result in defatting and drying of the skin, which may result in skin irritation and dermatitis.

INGESTION: Due to the product being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat and gastrointestinal tract, resulting in vomiting and/or cramps.

INHALATION: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, or confusion.

Skin contact may aggravate existing dermatitis.

CARCINOGEN DATA: None of the ingredients in this product are listed with OSHA, IARC or NTP as being carcinogenic.

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Health Effects**Route(s) of Entry:**

EYES, SKIN, INGESTION, INHALATION

Health Hazards (Acute and Chronic):

ACUTE: Inhalation may cause irritation of the respiratory tract or acute central nervous system depression.

CHRONIC: May cause chronic skin dermatitis.

Signs and Symptoms:

Vomiting, headache, dizziness, staggering gait, skin irritation.

Medical Conditions Generally Aggravated by Exposure:

Skin contact may aggravate dermatitis.

Other Health Warnings:

Not Available

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

Chemical Name	CAS No.	% Range	Trade Secret
Diethylene glycol butyl ether	122345	<10	
Dipropylene glycol methyl ether	34590948	<10	
Ethyl acetate	141786	20-30	
Hexane	110543	<10	

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Liquified Petroleum Gas	68476-85-7	20-30
Methyl acetate	79209	<10
Toluene	108883	10-20

IV. First Aid Measures:

Emergency and First Aid Procedures:

EYES: Flush with water for at least 15 minutes, lifting upper and lower lids. Contact a physician.

SKIN: Remove with soap and water. Continue to flush for several minutes. Use skin cream to counter resulting dryness. Contact a physician.

INGESTION: DO NOT induce vomiting. If conscious, drink a glass of water or milk to dilute. Contact a physician immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, have qualified personnel administer oxygen. Contact a physician.

Note to Physicians:

Not Available

V. Fire Fighting Measures:

Suitable Extinguishing Media:

For warehouse or storage conditions, use NFPA Class B extinguishers (CO2, dry chemical or foam).

Unsuitable Extinguishing Media:

EXTREMELY FLAMMABLE! Clear area of unprotected personnel. Use water spray to cool fire-exposed containers. Containers may rupture violently from heat-developed pressure.

Products of Combustion:

When liquid or vapor come into contact with flames or hot metal, products of combustion are created. Wear self-contained breathing apparatus and protective clothing. Product will float and may be ignited on water surface.

Protection of Firefighters:

Wear normal turnout gear.

VI. Accidental Release Measures:

Personal Precautions:

WARNING-FLAMMABLE! Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Evacuate area of unprotected persons. Wear appropriate respirator and protective clothing.

Environmental Precautions:

Prevent from entering sewers or waterways. May be harmful to some aquatic life.

Methods for Containment:

Shut off leak source if possible to do so safely.

Methods for Cleanup:

CLEANUP: Dike and contain. Use water fog if vapor forms. Soak up residue with absorbent material such as clay, sand or other suitable material. Do not use combustible materials such as sawdust for cleanup.

Other Information:

Place in safety containers for proper disposal.

VII. Handling and Storage:

Handling Precautions:

HANDLING: When using in a spray application, assure conformance with NFPA 33 Spray Applications using Flammable and Combustible materials.

STORAGE: Conform to NFPA 30: Flammable and Combustible Materials

EMPTY CONTAINERS: "Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged, and then disposed of according to local, state, and federal regulations.

Storage Precautions:

Flammable liquid under pressure. Do not store at temperatures above 120F.

Dispose of according to local, state, and federal regulations.

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VIII. Exposure Controls/Personal Protection:

Chemical Name	OSHA PEL	ACGIH TLV	Other Limits
Diethylene glycol butyl ether	NE	NE	Not Available
Dipropylene glycol methyl ether	100 ppm	100 ppm	Not Available
Ethyl acetate	400 ppm	400 ppm	24 F
Hexane	500 ppm	500 ppm	Not Available
Methyl acetate	200 ppm	200 ppm	Not Available
Toluene	100 ppm	100 ppm	45 F
Liquified Petroleum Gas	1000ppm	1000ppm	Not Available

Engineering Controls:

Use only in well ventilated areas.

Personal Protective Equipment:

SKIN: For brief contact, no precautions other than clean body covering should be needed. For prolonged or repeated contact wear chemical resistant gloves (see ingredients).

EYES: Wear safety glasses with side shields or chemical resistant goggles.

RESPIRATORY PROTECTION: When respiratory protection is needed due to prolonged exposure, use NIOSH approved respirator for organic vapor.

IX. Physical and Chemical Properties:**Boiling Point:** <0° F**Boiling Range:** Not Available**Solubility In Water:** Not soluble.**Flash Point:** 20 F**Odor Threshold:** Not Available**Vapor Density (AIR = 1):** >1**pH Range:** Not Available**Decomposition Temp:** Not Available**Lower Explosive Limit:** NE**Specific Gravity (H2O = 1):** Not Available**Other Information:** FLAMMABLE!**Melting Point:** NA**Freezing Point:** Not Available**Evaporation Rate (Butyl Acetate = 1):** NA**Flash Point Method:** TCC**Appearance and Odor:** Clear liquid/paint-like odor.**Vapor Pressure (mm Hg.):** NA**Partition Coefficient:** Not Available**Auto-Ignition Temp:** Not Available**Upper Explosive Limit:** NE**X. Stability and Reactivity:****Stability:**

Normally stable

Conditions to Avoid:

Not Available

Incompatible Materials:

Strong oxidizers

Hazardous Decomposition Products:

Oxides of carbon

Possibility of Hazardous Reactions:

Will not occur.

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XI. Toxicological Information:

ACUTE ORAL LD50: Hexane >25 ml/kg (rat), Toluene >5 g/kg (rat), Ethyl Acetate >5 g/kg (rat), Methyl Acetate >5 g/kg (rat), Diethylene Glycol Butyl Ether >7 g/kg (rat).
 ACUTE DERMAL LD50: Hexane >5 ml/kg rabbit, Toluene >14 ml/kg (rabbit), Ethyl Acetate >20 ml/kg (rabbit), Methyl Acetate >20 ml/kg (guinea pig), Diethylene Glycol Butyl Ether >2 g/kg (rabbit).
 ACUTE INHALATION LD50: LPG 57.42% v/v (mice), Hexane 73680 ppm/6h (rat), Toluene 8000 ppm/4h (rat), Ethyl Acetate >8000 ppm/4h (rat).

XII. Ecological Information:

Prevent from entering sewers or waterways. May be harmful to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations pursuant to 40 CFR part 261 of the Resource Conservation & Recovery Act (RCRA).

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged, and then disposed of according to local, state, and federal regulations.

XIV. Transport Information:

Shipping Name: Consumer commodity

DOT Hazard Class: ORM-D

DOT Subsidiary Hazard Class: Not Available

UN/NA#: Not Available

Packing Group: Not Available

Transportation Information:

IATA:
 Proper shipping name: Aerosols, flammable
 Hazard Class: 9
 ID No. 8000
 Hazardous Label: Flammable gas
 Packaging Group: None

XV. Regulatory Information:

TSCA: All ingredients listed on the TSCA inventory.
 SARA Title II, Section 313: 40 CFR Part 372: Toluene (12.3%)
 CWA: List of hazardous materials: Toluene
 CAA: Toluene
 CA Prop. 65: Toluene

XVI. Other Information:

- Chemical State:** Liquid Gas Solid
Chemical Type: Pure Mixture
Hazard Category:
 Acute Chronic Fire
 Pressure Reactive



Additional Manufacturer Warnings:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.

2	Health
4	Flammability
0	Physical Hazard
B	Pers. Protection

Additional Product Information:

Using this product under normal, properly instructed procedures should not be hazardous.