

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

MSDS No.: 638C

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:** Dust & Dirt Hardener**MSDS No.:** 638C**Issue Date:** 11/15/2011**Supersedes Date:** Not Available**II. Hazards Identification:****EMERGENCY OVERVIEW**

Flammable! May be fatal or cause blindness if ingested. Harmful if inhaled. Respiratory tract irritant. Skin and eye irritant. May cause nervous system depression.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

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:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute overexposure can cause damage to kidneys, blood, nerves, liver, and lungs.

Chronic overexposure can cause damage to kidneys, blood, nerves, liver, and lungs.

Signs and Symptoms:

Inhalation: Anesthesia, headache, dizziness, nausea, uncoordination

Ingestion: Nausea, vomiting, diarrhea

Skin: Redness, itching, burning

Eyes: Redness, tearing, blurred vision, itching, burning

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, liver, kidney diseases

Other Health Warnings:

Not Available

Potential Environmental Effects

Not Available

III. Composition/Information on Ingredients:

| Chemical Name | CAS No. | % Range | Trade Secret |
|--|----------|---------|--------------|
| 2-Butoxy ethanol | 111762 | 18 | |
| 2-Methyl-1-propanol | 78831 | 12 | |
| Ethyl benzene | 100414 | 0.7 | |
| Methyl n-amyl ketone | 110430 | 23 | |
| Mineral spirits | 64742898 | 14 | |
| Solvent naphtha (petroleum), light aliphatic | 64742898 | 16 | |
| Toluene | 108883 | 11 | |

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Xylene

1330207

4

IV. First Aid Measures:

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Keep victim warm and quiet. Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2-4 cups of water. (Never give anything by mouth to an unconscious person!) Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

Note to Physicians:

Not Available

V. Fire Fighting Measures:

Suitable Extinguishing Media:

Carbon dioxide, foam, dry chemical

Unsuitable Extinguishing Media:

Wear self-contained breathing apparatus and protective clothing. Water may be ineffective, but may be used to cool fire-exposed containers and to protect firefighters. Use fog nozzles if water is used.

Products of Combustion:

Closed containers may explode if exposed to extreme heat.

"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.

Protection of Firefighters:

Wear normal turnout gear.

VI. Accidental Release Measures:

Personal Precautions:

Wear vapor respirator, safety goggles, and rubber gloves.

Environmental Precautions:

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

Methods for Containment:

Remove sources of ignition (i.e. open flames, sparks). Stop spill at source. Dike area and contain.

Methods for Cleanup:

Soak up with inert absorbent material (do not use flammable substances such as sawdust). Ventilate spill site.

Other Information:

Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Handling Precautions:

Keep in tightly closed container. Electrically bond and ground all containers and equipment before transfer or use of material. Use only in well-ventilated areas. DO NOT smoke while using this product. Avoid free-fall of liquid. Avoid contact with skin and eyes. Avoid inhalation. Wash thoroughly after handling.

Storage Precautions:

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Flammable liquid. Keep container upright. DO NOT store above 120 F. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials.

"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.

VIII. Exposure Controls/Personal Protection:

| Chemical Name | OSHA PEL | ACGIH TLV | Other Limits |
|--|-----------------|------------------|---------------------|
| Toluene | 100 ppm | 100 ppm | 45 F |
| Xylene | 100 ppm | 100 ppm | 81 F |
| Solvent naphtha (petroleum), light aliphatic | 300 ppm | 300 ppm | Not Available |
| Mineral spirits | 300 ppm | 300 ppm | Not Available |
| Ethyl benzene | 100 ppm | 100 ppm | 69.80 F |
| 2-Methyl-1-propanol | 50 ppm | 50 ppm | Not Available |
| 2-Butoxy ethanol | 20 ppm | 20 ppm | Not Available |
| Methyl n-amyl ketone | 100 ppm | 50 ppm | Not Available |

Engineering Controls:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 222-395 F

Boiling Range: N/A

Solubility In Water: N/A

Flash Point: 22 F

Odor Threshold: Not Available

Vapor Density (AIR = 1): >1

pH Range: Not Available

Decomposition Temp: Not Available

Lower Explosive Limit: N/A

Specific Gravity (H2O = 1): 0.82

Other Information: Clear liquid. Solvent odor.

Melting Point: NA

Freezing Point: N/A

Evaporation Rate (Butyl Acetate = 1): NE

Flash Point Method: Not Available

Appearance and Odor: Pale yellow liquid; aromatic odor

Vapor Pressure (mm Hg.): N/A

Partition Coefficient: Not Available

Auto-Ignition Temp: Not Available

Upper Explosive Limit: 12.7

X. Stability and Reactivity:**Stability:**

Stable

Conditions to Avoid:

Not Available

Incompatible Materials:

Strong oxidizing agents, ignition sources (heat, open flame, spark)

Hazardous Decomposition Products:

Carbon dioxide and monoxide

Possibility of Hazardous Reactions:

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Will not occur.

XI. Toxicological Information:

Prolonged overexposure may lead to brain and central nervous system damage.
IARC: Ethylbenzene: Possible carcinogen.

Toluene: LD50/5000 mg/kg

XII. Ecological Information:

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

XIII. Disposal Considerations:

Waste from this product may be hazardous as defined under the Resource Conservation & Recovery Act (RCRA) 40 CFR 261. Waste should be tested for ignitability to determine the applicable EPA hazardous waste numbers. DO NOT incinerate closed container. Dispose according to local, state, and federal regulations regarding pollution.

XIV. Transport Information:

Shipping Name: Paint [or] Paint related material

DOT Hazard Class: 8

DOT Subsidiary Hazard Class: Not Available

UN/NA#: UN3066

Packing Group: II

Transportation Information:

Keep in tightly closed container. Keep container upright. DO NOT transport above 120 F. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Avoid free-fall of liquid. Avoid contact with skin and eyes. Avoid inhalation. Wash thoroughly after handling.

IATA

Shipping name: Paint related material
Hazard class: 3
UN no.: 1263
Packing group: II
Flammable liquid!

XV. Regulatory Information:

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

XVI. Other Information:

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



Additional Manufacturer Warnings:

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

| | |
|----------|------------------|
| 2 | Health |
| 4 | Flammability |
| 1 | Physical Hazard |
| H | Pers. Protection |

Additional Product Information:

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