

**1. IDENTIFICATION**

**Product Identifier**

**Product Name** DUST MOP TREATMENT

**Other means of identification**

**SDS #** CARROLL-344

**Product Code** 344

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Dust Mop Treatment

**Details of the supplier of the safety data sheet**

**Supplier Address**

Carroll Co.  
2900 W. Kingsley Road  
Garland, TX 75041

**Emergency Telephone Number**

**Company Phone Number** 1-800-527-5722

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**2. HAZARDS IDENTIFICATION**

**Appearance** Clear liquid

**Physical State** Liquid

**Odor** Banana

**Classification**

Carcinogenicity

Category 2

**Signal Word**

**Danger**

**Hazard Statements**

May cause cancer.



**Precautionary Statements - Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention.

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	64742-46-7	99.5
ACETIC ACID, PENTYL ESTER	628-63-7	0.325
1-BUTANOL, 2-METHYL-, 1-ACETATE	624-41-9	0.175

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Eye Contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.

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**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms and effects**

**Symptoms** Direct contact with eyes may cause temporary irritation.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific Hazards Arising from the Chemical**

During fire, gases hazardous to health may be formed.

**Protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk.

**Firefighting equipment/instructions**

Move containers from fire area if you can do so without risk.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**

No unusual fire or explosion hazards noted.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and material for containment and cleaning up**

**Methods for Containment** Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Methods for Clean-Up** Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store locked up. Store in original tightly closed container. Store away from incompatible materials (See Section 10 of the SDS).

**Incompatible Materials** None known based on information supplied. None known

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational exposure limits**

US. OSHA Table Z-1 Limits for Air Type Contaminants (29 CFR 1910.1000) Components	Value
ACETIC ACID, PENTYL ESTER (CAS 628-63-7) PEL	525 mg/m <sup>3</sup>
ESTER (CAS 628-63-7)	100 ppm

US. ACGIH Threshold Limit Values Type Components	Value
1-BUTANOL, 2-METHYL-, 1-ACETATE (CAS 624-41-9) STEL	100 ppm

US. ACGIH Threshold Limit Values Type Components	Value
ACETIC ACID, PENTYL ESTER (CAS 628-63-7) TWA	50 ppm
STEL	100 ppm

	TWA	100 ppm
<b>US. NIOSH: Pocket Guide to Chemical Hazards Components</b>	<b>Type</b>	<b>Value</b>
ACETIC ACID, PENTYL ESTER (CAS 628-63-7)	TWA	525 mg/m3

**Appropriate engineering controls**

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Engineering Controls** None under normal use conditions.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Chemical respirator with organic vapor cartridge and full facepiece.

**Skin and Body Protection** Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other** Use of an impervious apron is recommended.

**Respiratory Protection** Chemical respirator with organic vapor cartridge and full face piece.

**Thermal hazards** **Wear appropriate thermal protective clothing, when necessary.**

**General Hygiene Considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical State** Liquid

<b>Appearance</b>	CLEAR	<b>Odor</b>	Banana
<b>Color</b>	CLEAR	<b>Odor Threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not available.	
<b>Melting Point/Freezing Point</b>	-95.44 °F (-70.8 °C) estimated / 999 °F (537.22 °C)	
<b>Boiling Point/Boiling Range</b>	300.56 °F (149.2 °C) estimated	
<b>Flash Point</b>	200.0 °F (93.3 °C)	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	Combustible II estimated	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	6 hPa estimated	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	.88	
<b>Water Solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	680 °F (360 °C) estimated	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>Density</b>	7.31 lbs/gal estimated	
<b>Percent volatile</b>	0.33 % estimated	
<b>VOC (Weight %)</b>	0.5 % estimated	

## 10. STABILITY AND REACTIVITY

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical Stability

Material is stable under normal conditions.

### Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

### Conditions to Avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

No hazardous decomposition products are known.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Eye Contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Skin Contact</b>	No adverse effects due to skin contact are expected.
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Ingestion</b>	Expected to be a low ingestion hazard. Symptoms related to the physical, chemical and toxicological characteristics Information on toxicological effects
<b>Acute toxicity</b>	Not available.
<b>Skin corrosion/irritation</b>	
<b>Serious eye damage/eye</b>	Direct contact with eyes may cause temporary irritation.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ call mutagenicity</b>	Symptoms related to the physical, chemical and toxicological characteristics
<b>Respiratory or skin sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Carcinogenicity</b>	Information on toxicological effects
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed
<b>Reproductive toxicity</b>	Skin corrosion/irritation
<b>Specific target organ toxicity repeated exposure</b>	Not classified.
<b>Specific target organ toxicity single exposure</b>	Not classified.
	This product is not expected to cause reproductive or developmental effects. Not classified.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Chronic effects</b>	Prolonged inhalation may be harmful.
<b>Aspiration hazard</b>	Not an aspiration hazard.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Aquatic Fish	ACETIC ACID, PENTYL ESTER (CAS 628-63-7) LC50	<u>Western mosquitofish (Gambusia affinis) 65 mg/1, 96 hours</u>

**Persistence/Degradability**

No data is available on the degradability of this product.

**Bioaccumulation**

Partition coefficient n-octanol/ water (log K<sub>ow</sub>)  
 ACETIC ACID, PENTYL ESTER

**Mobility**

No data available.

**Other Adverse Effects**

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

<b>Disposal of Wastes</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations Hazardous waste code</b>	Dispose in accordance with all applicable regulations The waste code should be assigned in discussion between the user, the producer and the waste disposal company
<b>Waste from residues I unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated Packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. TRANSPORT INFORMATION**

<b><u>Note</u></b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b><u>DOT</u></b>	Not regulated as dangerous goods. DOT information on packaging may be different from that listed.
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u> Marine Pollutant</b>	This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION**

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ACETIC ACID, PENTYL ESTER (CAS 628-63-7)

**SARA 304 Emergency release notification**

Not regulated.

Listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

- Immediate Hazard - No
- Delayed Hazard -Yes
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

**SARA 302 Extremely hazardous substance.** Not listed

**US Federal Regulations**

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**SARA 311/312 Hazardous** No chemical

**SARA 313 (TRI reporting)**

Not regulated.

Other federal regulations

**Clean Air Act (CAA) Section 112 Hazardous Air**

Pollutants (HAPs) List

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention  
(40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act**

**(SDWA)**

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)** Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

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 DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE (CAS 64742-46-7)
**US. Massachusetts RTK -Substance List**

ACETIC ACID, PENTYL ESTER (CAS 628-63-7)

**US. New Jersey Worker and Community Right-to-Know Act**

ACETIC ACID, PENTYL ESTER (CAS 628-63-7)

**US. Pennsylvania Worker and Community Right-to-Know Law**

ACETIC ACID, PENTYL ESTER (CAS 628-63-7)

**US. Rhode Island RTK**

ACETIC ACID, PENTYL ESTER (CAS 628-63-7)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
<b>Australia</b>	Australian Inventory of Chemical Substances (AICS)	Yes
<b>Canada</b>	Domestic Substances List (DSL)	Yes
<b>Canada</b>	Non-Domestic Substances List (NDSL)	No
<b>China</b>	Inventory of Existing Chemical Substances in China (IECSC)	Yes
<b>Europe</b>	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
<b>Europe</b>	European List of Notified Chemical Substances (ELINCS)	No
<b>Japan</b>	Inventory of Existing and New Chemical Substances (ENCS)	No
<b>Korea</b>	Existing Chemicals List (ECL)	Yes
<b>New Zealand</b>	New Zealand Inventory	Yes

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**Philippines** Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes

**United States & Puerto Rico** Toxic Substances Control Act (TSCA) Inventory Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A ""No"" indicates that one or more components of the product are not listed or exempt from listing on the Inventory administered by the governing country(s).

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	0	0	A = Goggles

**Issue Date:** 04-15-2015  
**Revision Date:** 05-10-2015  
**Revision Note:** This document has undergone significant changes and should be reviewed in its entirety.

**Disclaimer**

BNA cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

**End of Safety Data Sheet**