



Safety Data Sheet

Issue Date: 15-April-2015

Revision Date: 14-Aug-2019

Version 2

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

CarrollCLEAN
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**

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

Ingestion	Rinse mouth. Get medical attention if symptoms occur.
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Most important symptoms and effects

Symptoms	Direct contact with eyes may cause temporary irritation.
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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.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
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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.
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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)	525 mg/m ³
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)	100 ppm

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

	TWA	100 ppm
US. NIOSH: Pocket Guide to Chemical Hazards Components	Type	Value
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
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Information on basic physical and chemical properties

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

Eye Contact	Direct contact with eyes may cause temporary irritation.
Skin Contact	No adverse effects due to skin contact are expected.
Inhalation	Prolonged inhalation may be harmful.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	
Information on toxicological effects	
Acute toxicity	Not available.
Skin corrosion/irritation	
Serious eye damage/eye	Direct contact with eyes may cause temporary irritation.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	Symptoms related to the physical, chemical and toxicological characteristics
Respiratory or skin sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Carcinogenicity	Information on toxicological effects
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed
Reproductive toxicity	Skin corrosion/irritation
Specific target organ toxicity repeated exposure	Not classified.
Specific target organ toxicity single exposure	Not classified.
This product is not expected to cause reproductive or developmental effects. Not classified.	
Skin sensitization	This product is not expected to cause skin sensitization.
Chronic effects	Prolonged inhalation may be harmful.
Aspiration hazard	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
	ACETIC ACID, PENTYL ESTER (CAS 628-63-7)	
Aquatic	LC50	<u>Western mosquitofish (Gambusia affinis) 65 mg/l, 96 hours</u>
Fish		

Persistence/Degradability

No data is available on the degradability of this product.

Bioaccumulation

Partition coefficient n-octanol/ water (log K_{ow})

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

Disposal of Wastes	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.
Local disposal regulations	Dispose in accordance with all applicable regulations
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company
Waste from residues I unused products	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).
Contaminated Packaging	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

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u>	Not regulated as dangerous goods. DOT information on packaging may be different from that listed.
<u>IATA</u>	Not regulated
<u>IMDG</u>	
Marine Pollutant	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))

 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

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

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

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

Issue Date: 04-15-2015

Revision Date: 14-Aug-2019

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