

P & S Sales, Inc.

Material Safety Data Sheet



Date Issued: 3/27/2009

Product Name **DE4__ Deodorant Concentrate**

1. Product and Company Information

P & S Sales, Inc
20943 Cabot Blvd.
Hayward CA 94545

Emergency Number: 800-255-3924
Customer Service: 510-732-2628
Business Fax: 510-732-2632

Generic Description: Slightly viscous liquid with a variety of colors and fragrances

NFPA Profile: Health 1 Flammability 0 Reactivity 0

2. OSHA Hazard Components

CAS Number	Wt %	Component Name
9016-45-9		Nonylphenol polyethoxylate

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

3. Effects of Overexposure

Acute Effects

Eye: Direct contact may cause temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Inhalation: Irritates respiratory passages very slightly.

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin: No known applicable information.

Inhalation: No known applicable information.

Oral: No known applicable information.

Medical Conditions Aggravated by Exposure : No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

4. First Aid Measures

Eye: Immediately flush with water.

Skin: No first aid should be needed.

Inhalation: No first aid should be needed.

Oral: No first aid should be needed.

Comments: Treat symptomatically.

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5. Fire Fighting Measures

Flash Point	>213.8 °F	Upper Flamability Limit	Not Determined
Auto Ignition	Not Determined	Lower Flamability Limit	Not Determined

Extinguishing Media:

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures:

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards:

None.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Metal oxides.

6. Accidental Release Measures

Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Sections 5 and 8. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbant. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

7. Handling and Storage

Use with adequate ventilation. Avoid eye contact.

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Use reasonable care and store away from oxidizing materials.

8. Exposure Controls and Personal Protection

9016-45-9 Nonylphenol polyethoxylate

Engineering Controls

Local Ventilation: None should be needed.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

Precautionary Measures: Avoid eye contact. Use reasonable care.

Comments: When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system.

Safe handling conditions may be maintained by keeping vapor OSHA Permissible Exposure Limit for formaldehyde.

9. Physical and Chemical Properties

Physical State	Liquid	Color	Various	Odor	Various Fragrant
pH	6.5	Specific Gravity	1.01	Viscosity	50 cst
Vapor Density (Air=1)	Not Determined	Melting Point °F	22°F	Vapor Press	Not Determined
Water Solubility	complete	VOC Content	16%		

10. Stability and Reactivity

Stability Stable

Hazardous Polymerization Not Expected to Occur

Conditions to Avoid Oxidizing materials can cause a reaction

Hazardous Decomposition Products When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors.

Safe handling conditions may be maintained by keeping vapor OSHA Permissible Exposure Limit for formaldehyde.

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11. Toxicological Information

Toxicity to Animals:

Acute oral toxicity (LD50): 1410 mg/kg [Rat]. Acute dermal toxicity (LD50): 2830 mg/kg [Rabbit].

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Chronic Effects on Humans: May affect genetic material and cause adverse reproductive effects and birth defects based on animal studies.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. However, brief contact is not known to be irritating.

12. Ecological Information

Ecotoxicity:

Ecotoxicity in water (LC50): 21.4 mg/l 48 hours [Daphnia]. 6.6 mg/l 96 hours [Daphnia]. 7.7 mg/l 96 hours [Fish (Fathead Minnow)]. 4.8 mg/l 96 hours [Fish (Fathead Minnow)]. 6.6 mg/l 96 hours [Fish (Fathead Minnow)].

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

13. Disposal Information

Avoid discharge into natural waters. Microbial degradation results in some intermediates that have shown weak estrogen memetic activity. These effects have been observed in laboratory studies only at concentrations of these degradation intermediates greater than those required for eliciting conventional toxicity in the most sensitive aquatic organisms (approx. 5 ppm). Therefore conventional toxicity remains the more sensitive indicator of environmental exposure to degradation of intermediates of NPES.

14. Transportation Information

Not subject to DOT. Not regulated

Not subject to IMDG code.

Not subject to IATA regulations

15. Regulatory Information

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355): None.

Section 304 CERCLA Hazardous Substances (40 CFR 302): None.

Section 311/312 Hazard Class (40 CFR 370):

Acute: No

Chronic: No

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Compressed: No

Fire: No

Pressure: No

Reactive: No

Section 313 Toxic Chemicals (40 CFR 372): None present or none present in regulated quantities.

Supplemental State Compliance Information

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm. :NONE

16. Other Information

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. If buyer repackages this product, legal counsel should be consulted to insure proper health, safety and other necessary information is included on the container.