



### Section 1. Product and Company Identification

**Product Identifier** F17 - Radiance Coating Maintenance Wash  
**Product Use Description:** Slightly viscous clear purple liquid with a grape fragrance

#### Manufacturer or suppliers' details

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

### Section 2. Hazards Identification

#### GHS Classification

**Acute toxicity (oral)** : Category 4  
**Eye Damage** : Category 1  
**Hazardous to Aquatic Environment** : Category 3

#### GHS Label Elements

##### Hazard Pictograms



##### Hazard Word

**Danger**

##### Hazard Statements

May be harmful if swallowed  
Causes mild skin irritation  
Causes serious eye damage  
Harmful to aquatic life

#### Precautionary Statements

P280: Wear protective gloves/protective clothing/eye protection/face protection  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P501: Avoid release to the environment  
Dispose of contents/container to an approved waste disposal plant.

### 3. Composition Information on Ingredients

CAS Number	Wt %	Component Name
68131-39-5	10-30%	Alcohols, C12-15, Ethoxylated
61789-77-3	1-5%	dimethyl dicoco quaternary ammonium chloride



1643-20-5

.5-3%

Lauramine Oxide

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

#### 4. First Aid Measures

Eye: Immediately and gently flush with water for 15 minutes. Consult physician.

Skin: Rinse thoroughly if irritation occurs. Consult Doctor if it persists

Inhalation: Move to fresh air. No first aid should be needed from exposure due to mist. Consult physician if symptoms such as difficulty breathing occur. If aspiration occurs consult physician immediately.

Oral: Rinse mouth. Seek medical attention if symptoms occur.

Comments: Treat symptomatically.

#### 5. Fire Fighting Measures

Extinguishing Media:

On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), 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

##### 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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. 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 materials for containment and cleaning up

This product is miscible in water.

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. Prevent product from entering drains. 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.

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

**Environmental precautions**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

**7. Handling and Storage**

Use with adequate ventilation. Avoid eye contact.

Use reasonable care and store away from oxidizing materials.

**8. Exposure Controls and Personal Protection**

68131-39-5	Alcohols, C12-15, Ethoxylated	not determined
61789-77-3	dimethyl dicoco quaternary ammonium chloride	not determined
1643-20-5	Lauramine Oxide	not determined

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**



<b>Flash Point</b>	>213.8 °F	<b>Upper Flamability Limit</b>	Not Determined		
<b>Auto Ignition</b>	Not Determined	<b>Lower Flamability Limit</b>	Not Determined		
<b>Physical State</b>	Liquid	<b>Color</b>	Purple	<b>Vapor Press</b>	Not Determined
<b>pH</b>	6.5	<b>Specific Gravity</b>	1.01	<b>Viscosity</b>	50 cst
<b>Vapor Density (Air=1)</b>	Not Determined	<b>Melting Point °F</b>	22°F	<b>Odor</b>	Grape
<b>Water Solubility</b>	complete	<b>VOC Content</b>	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.

## 11. Toxicological Information

### Toxicity to Animals:

Acute oral toxicity (LD50): 3314mg/kg [Rat]. Acute dermal toxicity (LD50): >3000 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 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): 1 mg/l 48 hours [Fish]. 7.6 mg/l 96 hours [Fish]. 8.6 mg/l 96 hours [Fish]

### Products of Biodegradation: <60% after 28 days

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 Considerations

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



IMDG code. UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Alcohols, C12- 15 ethoxylated), 9, III, Marine Pollutant

IATA regulations UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Alcohols, C12- 15 ethoxylated), 9, III, Marine Pollutant

### 15. Regulatory Information

**OSHA Hazards** : Hazardous Chemical

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity** - This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop. 65** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**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** -  
Not Regulated

### 16. Other Information Revision Date 11/9/2023

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.

#### Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH American Conference of Government Industrial Hygienists

LD50 Lethal Dose 50%

AICS Australia, Inventory of Chemical Substances

LOAEL Lowest Observed Adverse Effect Level



DSL Canada, Domestic Substances List  
NFPA National Fire Protection Agency  
NDSL Canada, Non-Domestic Substances List  
NIOSH National Institute for Occupational Safety & Health  
CNS Central Nervous System  
NTP National Toxicology Program  
CAS Chemical Abstract Service  
NZIoC New Zealand Inventory of Chemicals  
EC50 Effective Concentration  
NOAEL No Observable Adverse Effect Level  
EC50 Effective Concentration 50%  
NOEC No Observed Effect Concentration  
EGEST EOSCA Generic Exposure Scenario Tool  
OSHA Occupational Safety & Health Administration  
EOSCA European Oilfield Specialty Chemicals Association  
PEL Permissible Exposure Limit  
EINECS European Inventory of Existing Chemical Substances  
PICCS Philippines Inventory of Commercial Chemical Substances  
MAK Germany Maximum Concentration Values  
PRNT Presumed Not Toxic  
GHS Globally Harmonized System  
RCRA Resource Conservation Recovery Act  
>= Greater Than or Equal To  
STEL Short-term Exposure Limit  
IC50 Inhibition Concentration 50%  
SARA Superfund Amendments and Reauthorization Act.  
IARC International Agency for Research on Cancer  
TLV Threshold Limit Value  
IECSC Inventory of Existing Chemical Substances in China  
TWA Time Weighted Average  
ENCS Japan, Inventory of Existing and New Chemical Substances  
TSCA Toxic Substance Control Act  
KECI Korea, Existing Chemical Inventory  
UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials  
<= Less Than or Equal To  
WHMIS Workplace Hazardous Materials Information System  
LC50 Lethal Concentration 50%



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