



## Section 1. Product and Company Identification

**Product Identifier** RP25 - Compliant Purple Thunder

**Product Use Description:** Thin clear Purple liquid with Lemon odor - For use as an exterior use General purpose cleaner or degreaser on automotive surfaces

### 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

**Skin Corrosion/Irritation** : Category 1A

**Eye Damage** : Category 1

## GHS Label Elements

### Hazard pictograms



**Hazard Word** Danger

### Hazard Statements

**Causes severe skin burns and eye damage**  
**Harmful if swallowed**

### Precautionary Statements

**Do not breathe dust/fume/gas/mist/vapour/spray**  
**Wash skin thoroughly after handling**



**Wear protective gloves/protective clothing/eye protection/face protection**  
**IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.**  
**Rinse skin with water/shower**  
**Wash contaminated clothing before reuse**  
**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing**  
**Call a POISON CENTER or doctor/physician**  
**IF SWALLOWED: Rinse mouth. Do NOT induce vomiting**  
**Call a POISON CENTER or doctor/physician**  
**IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing**  
**Immediately call a POISON CENTER or doctor/physician**

### 3. Composition Information on Ingredients

CAS Number	Wt %	Component Name
1310-73-2	2-5%	Sodium Hydroxide
6834-92-0	2-5%	Silicic acid, disodium salt
107-98-2	1-3%	1-methoxy 2- propanol
66455-15-0, 68551-12-2	2-8%	Ethoxylated Alcohol Mixture
149458-07-1	1-3%	Fatty acids, C12-18, Me esters, sulfonated, sodium salts

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

IN CASE OF CONTACT, immediately flush with plenty of water for at least 30 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Destroy contaminated shoes.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### 5. Fire Fighting Measures

Fire fighters and other who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Contact with metal can form hydrogen gas. Hydrogen is extremely flammable and can form explosive mixtures with air. Closed containers may explode when heated or contents contaminated with water.



### 6. Accidental Release Measures

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

### 7. Handling and Storage

Do not get in eyes, or skin or on clothing. Do not breathe mist. Keep container closed. Use only with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over single addition, Water should not exceed 160° F during addition.

Storage: Do NOT store near strong acids.

### 8. Exposure Controls and Personal Protection

1310-73-2	Sodium Hydroxide	2 mg/m <sup>3</sup> (OSHA TWA PEL) 2 mg/m <sup>3</sup> (STEL)
6834-92-0	Silicic acid, disodium salt	None Listed
107-98-2	1-methoxy 2- propanol	50 ppm (ACGIH 8 hour) TWA 100 ppm (ACGIH 15 min) STEL
66455-15-0, 68551-12-2	Ethoxylated Alcohol Mixture	None Listed
149458-07-1	Fatty acids, C12-18, Me esters, sulfonated, sodium salts	None Established

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). Dilution ventilation acceptable, but local mechanical exhaust ventilation preferred, if practical, at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tank and enclosed spaces.

#### Eye/ Face Protection:

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye- flushing equipment immediately available.

#### Skin Protection:

Natural rubber or Polyvinyl chloride gloves should be worn when handling this material. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may



occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash skin thoroughly after handling.

**Respiratory Protection:**

Avoid breathing vapor or mist. Use NIOSH approved respiratory protection equipment appropriate to the material and/ or its components when airborne exposure limits are exceeded (see below). Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full-face positive-pressure, self-

contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply.

**Respiratory protection**

programs must comply with 29 CFR & 1910.134

**Other Protective Equipment:** Rubber boots, Rubber suit or Apron, Chemical resistant protective clothing.

**9. Physical and Chemical Properties**

<b>Flash Point</b> N/A	<b>Upper Flamability Limit</b> N/A	
<b>Auto Ignition</b> N/A	<b>Lower Flamability Limit</b> N/A	
<b>Physical State</b> Liquid	<b>Color</b> Purple	<b>Vapor Press</b> 1.6 mm/Hg @20C
<b>pH</b> 13	<b>Specific Gravity</b> 1.05	<b>Viscosity</b> Thin
<b>Vapor Density (Air=1)</b> N/A	<b>Melting Point °F</b> 20	<b>Odor</b> Citrus
<b>Water Solubility</b> Complete	<b>VOC Content</b> .49%, .043 lb/Gal	

**10. Stability and Reactivity**

**Stability** Stable

**Hazardous Polymerization** Not Expected to Occur

**Conditions to Avoid** Avoid strong acids, metals and organic material such as chlorinated hydrocarbons.

**Hazardous Decomposition Products** Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminum. Hydrogen gas can result in explosive hazards in confined spaces.

**11. Toxicological Information**

Acute oral toxicity : Acute toxicity estimation LD50> 5,000 mg/Kg Calculation Method (rat)

**12. Ecological Information**

Toxicity : Acute toxicity estimation EC50> 700 mg/Kg (Calculation Method 3.1.3.6.1) 48 hr (fish)

**13. Disposal Considerations**

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual material. Note: Chemical additions to, processing of, or otherwise



altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulation.

#### 14. Transportation Information

Domestic Ground Shipments less than 1.3 gallon

This product is not considered a Corrosive Hazard, excepted 173.154 (b)(2)

International Shipments and Shipment by Air, packages over 1.3 gallon

UN1760, Corrosive Liquid, n.o.s. (Sodium Hydroxide), 8, PGIII

Reportable Quantity: 1,000 lb - Trucks, Corrosive Placards

#### 15. Regulatory Information

##### 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

Sodium Hydroxide RQ 1000 lb

**SARA 311/312 Hazards** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/412.

**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

Ingredient Related Regulatory Information:

SARA Reportable Quantities CERCLA RQ SARA TPQ - Sodium Hydroxide 1000 Lbs.

Massachusetts Right to know

This product does contain the following chemical (s), as indicated below, currently on the Massachusetts



Right-to-Know Substances List. - Sodium Hydroxide

New Jersey Right to know

This product does contain the following chemical (s), as indicated below, currently on the New Jersey Right- to-Know Substances List. - Sodium Hydroxide

Pennsylvania Environmental Hazard

This product does contain the following chemical (s), as indicate below, currently on the Pennsylvania Environmental Hazard List. - Sodium Hydroxide.

Pennsylvania Right to Know

This product does contain the following chemical (s), as indicated below, currently on the Pennsylvania Hazardous Substance List. - Sodium Hydroxide.

CARB VOC info: 0% VOC as regulated by CARB Consumer Products requirements, general purpose degreaser, § 94509 (a)

#### 16. Other Information

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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 Sub- stances List

NFPA National Fire Protection Agency

NDSL Canada, Non-Domestic Sub- stances 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 Exist- ing Chemical Substances

PICCS Philipines 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%