



Date Issued: 9/29/2011

Material Safety Data Sheet

Product Name: N17 Free Wheelin

## 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: Clear Amber thin liquid with a acidic odor

NFPA Profile: Health 2 Flammability 0 Reactivity 0

## 2. OSHA Hazard Components

CAS Number	Wt %	Component Name
none		Proprietary

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

Emergency Overview: This product is a colorless to slight amber liquid with a mild odor. It is corrosive to the eyes and a mild skin irritant. If ingested, this product may be harmful or fatal.

Potential Health Effects:

Eye: Causes burns to the eyes.

Acute eye irritation/corrosion test: This product was found to be Corrosive to the eyes when tested using the Modified Draize method (OECD Guidelines for Testing of Chemicals, Sec. 4-5, 1992.)

Skin: Prolonged or repeated contact can cause irritation.

Non Corrosive to Skin: (as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations.

Classified as a mild skin irritant as per the 1992 DECO Guideline for Testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion. 'J

Ingestion: This product may be harmful or fatal if ingested.

Inhalation: Not a likely route of exposure due to physical properties. Product has a low vapour pressure at room temperature and is not expected to present a significant inhalation hazard under ambient conditions. Product can be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized.

Chronic Effects:

Skin: Prolonged or repeated exposure can cause drying, defatting, and dermatitis.

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC. NTP. or ACGIH.

Teratogenicity, Mutagenicity, Reproductive Effects: This product was found not to be mutagenic when tested by the Ames Assay, (OECD Guidelines for Testing of Chemicals, Sec. 471)

## 4. First Aid Measures

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

Skin: Immediately flush with mild soap and water for 15 minutes. Seek medical attention if irritation develops. Remove contaminated clothing and launder before reuse.

Eye: Immediately flush with water for 15 minutes. Seek medical attention.



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Ingestion: Do not induce vomiting. If conscious, give 3-4 glasses of water to dilute and get immediate medical care.

### 5. Fire Fighting Measures

<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

Flame Propagation or Burning Rate of Solid Materials: Not applicable

Sensitivity to Static Discharge: Not applicable

Sensitivity to Mechanical Impact: Not applicable

Extinguishing Media: Water spray, carbon dioxide, and dry chemical.

Special Fire Fighting Procedures: Evacuate personnel to a safe area. Keep containers cool with water spray.

Avoid breathing decomposition products. Wear self-contained breathing apparatus and full body protection.

Unusual Fire and Explosion Hazards: At temperatures above 60°C/140°F acid action on most metals may release hydrogen, a highly flammable and explosive gas.

Hazardous Decomposition Products: Thermal decomposition may yield hydrofluoric acid and oxides of carbon, nitrogen, and chlorine. Hydrogen gas may be released upon contact with certain metals.

### 6. Accidental Release Measures

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in 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.

Wear personal protective as described in personal protection section (8).

Storage: Do NOT store near strong acids.

### 8. Exposure Controls and Personal Protection

none Proprietary

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 chemical goggles, and have eye-



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flushing equipment immediately available.

**Skin Protection:** Natural rubber or Polyvinyl chloride gloves should be worn when handling this material. Wear chemical goggles 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>Physical State</b> Liquid	<b>Color</b> Amber	<b>Vapor Press</b> 1.6 mm/Hg @20C
<b>pH</b> 1	<b>Specific Gravity</b> 1.08	<b>Viscosity</b> thin
<b>Vapor Density (Air=1)</b> N/A	<b>Melting Point °F</b> 28	<b>Odor</b> acidic
<b>Water Solubility</b> complete	<b>VOC Content</b>	0.0 lb/Gal

## 10. Stability and Reactivity

**Stability** Stable

**Hazardous Polymerization** Not Expected to Occur

### Conditions to Avoid

Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites (e.g. chlorine bleach, sulfides, or cyanides) will liberate toxic gases. Contact with alkaline materials (e.g. aqua ammonia) will generate heat

### 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

This material is expected to be severely irritating to eyes. This material may be corrosive to all tissues depending on concentration and length of exposure.

Oral lethal dose 50 (LD<sub>50</sub>): 678 mg/kg (rat)

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC. NTP. or ACGIH.

Teratogenicity, Mutagenicity, Reproductive Effects: Unknown

Synergistic Materials: Not available

Acute eye irritation/corrosion test: This product was found to be Corrosive to the eyes when tested using the Modified Draize method (DECO Guidelines for Testing of Chemicals, Sec. 4-5, 1992.)

## 12. Ecological Information



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There is limited information available on the environmental fate of this material.

### 13. Disposal Information

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

U.S. Department of Transportation: Not Regulated

Canadian T.D.G.: Regulated Material

UN1760, Corrosive liquid, N.O.S. (acid salts), 8, PGIII

\*Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel

Water Transportation (IMDG): Regulated Material

UN1760, Corrosive liquid, N.O.S. (acid salts), 8, PGIII

\*Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel

Air Transportation (IATA): Regulated Material

UN1760, Corrosive liquid, N.O.S. (acid salts), 8, PGIII

\*Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel

### 15. Regulatory Information

WHMIS Classification: Class 0 - Division 2B,

Class E - Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

Environmental Regulatory Lists:

SARA: Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 - None of the ingredients are listed.

Toxic Substances Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory

Canadian Domestic Substance List (DSL): All ingredients are listed.

INTERNATIONAL INVENTORY LISTINGS:

Components in this product

### 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.

