



P & S Sales, Inc.

Material Safety Data Sheet

Date Issued: 8/17/2011

Product Name:

K35, Crystal Wash

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 liquid with low odor

NFPA Profile: Health 2 Flammability 0 Reactivity 0

2. OSHA Hazard Components

CAS Number	Wt %	Component Name
144-62-7	2-6%	Oxalic Acid

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

Potential Acute Health Effects:

Hazardous in case of skin contact (irritant), of ingestion. Slightly hazardous in case of eye contact (irritant), of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin. Severe over-exposure can produce lung damage, choking, unconsciousness or death. The product is a severe irritant for lungs and respiratory tract.

Potential Chronic Health Effects:

The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged exposure to the gas can produce lung damage.

4. First Aid Measures

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.



P & S Sales, Inc.

Material Safety Data Sheet

Date Issued: 8/17/2011

Product Name:

K35, Crystal Wash

5. Fire Fighting Measures

Flash Point Non Flammable	Upper Flamability Limit	N/A
Auto Ignition N/A	Lower Flamability Limit	N/A

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Non-explosive in presence of oxidizing materials.

Fire Fighting Media and Instructions: Not applicable.

6. Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.

Large Spill:

Neutralize the residue with a dilute solution of sodium carbonate. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and Storage

Precautions:

Do not ingest. Avoid contact with skin Never add water to this product Wear suitable protective clothing If ingested, seek medical advice immediately and show the container or the label. Keep container tightly closed and dry.

Storage: Corrosive materials should be stored in a separate safety storage cabinet or room.

8. Exposure Controls and Personal Protection

144-62-7 Oxalic Acid

Engineering Controls: No special ventilation requirements.

Personal Protection: Splash goggles. Lab coat. Self contained breathing apparatus. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. Physical and Chemical Properties

Physical State Liquid	Color Clear	Vapor Press N/A
pH 2.4	Specific Gravity 1.019	Viscosity 1 cst
Vapor Density (Air=1) unknown	Melting Point °F 24°F	Odor Slightly sweet
Water Solubility Complete	VOC Content 0%	

10. Stability and Reactivity

Stability Stable

Hazardous Polymerization Not Expected to Occur

Conditions to Avoid



P & S Sales, Inc.

Material Safety Data Sheet

Date Issued: 8/17/2011

Product Name:

K35, Crystal Wash

Conditions to Avoid Avoid contact and exposure to strong alkalis and oxidizers

Hazardous Irritating fumes

Decomposition Products

11. Toxicological Information

Routes of Entry: Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 375 mg/kg [Rat].

Acute dermal toxicity (LD50): 20000 mg/kg [Rabbit].

Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion.

Slightly hazardous in case of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in animal. (Oxalic acid anhydrous)

12. Ecological Information

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

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transportation Information

DOT Classification: Not a DOT controlled material (United States). No listing for Oxalic Acid in 49CFR172.101

15. Regulatory Information

Federal and State Regulations:

Pennsylvania RTK: Oxalic Acid - 10% Solution

Massachusetts RTK: Oxalic Acid - 10% Solution

TSCA 8(b) inventory: Oxalic acid anhydrous; Water

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

CLASS E: Corrosive liquid.

DSCL (EEC):

R22- Harmful if swallowed. R35- Causes severe burns.

HMIS (U.S.A.):

Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Personal Protection: j



P & S Sales, Inc.

Material Safety Data Sheet

Product Name:

Date Issued: 8/17/2011

K35, Crystal Wash

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.