



Section 1. Product and Company Identification

Product Identifier **K35, Crystal Wash**

Product Use
Description: Clear liquid with low odor

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

Precautionary Statements

Wash skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting



IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

Immediately call a POISON CENTER or doctor/physician

Wash contaminated clothing before reuse

Dispose of contents/container to an approved waste disposal plant.

3. Composition Information on Ingredients

CAS Number	Wt %	Component Name
144-62-7	2-6%	Oxalic Acid
526-95-4	2-6%	D-Gluconic 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.

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.



5. Fire Fighting Measures

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:

Do not let product enter drains. 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:

Do not let product enter drains. 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 SDS and with local authorities. Collect spilled material in a temporary storage container and dispose of with a licensed disposal company

7. Handling and Storage

Precautions:

Do not ingest. Avoid contact with skin. 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	2 mg/m ³ ACGIH STEL TLV 1 mg/m ³ OSHA Z-1 STEL
526-95-4	D-Gluconic Acid	No Exposure limit values published

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

Flash Point	Non Flammable	Upper Flamability Limit	N/A		
Auto Ignition	N/A	Lower Flamability Limit	N/A		
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	Avoid contact and exposure to strong alkalis and oxidizers		
Hazardous Decomposition Products	Irritating fumes		

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 Considerations

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

HMIS (U.S.A.):

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

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

SARA 311/312 Hazards : Oxalic Acid Threshold Planning quantity 10,000 lb as packaged.

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. - Oxalic Acid - 10% Solution

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. - Oxalic Acid - 10% Solution

Pennsylvania Environmental Hazard

This product does contain the following chemical (s), as indicate below, currently on the Pennsylvania Environmental Hazard List. - None.

Pennsylvania Right to Know

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



Hazardous Substance List. - Oxalic Acid - 10% Solution

16. Other Information **Revision Date** 7/24/2015

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 Re- search 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 Sub- stances

TSCA Toxic Substance Control Act

KECI Korea, Existing Chemical Inventory

UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials



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<= Less Than or Equal To

WHMIS Workplace Hazardous Materials Information System

LC50 Lethal Concentration 50%