

H	3
F	0
R	0
P	B

MATERIAL SAFETY DATA SHEET

MANUFACTURER: K & K Chemical Co.
TELEPHONE NO.: (800) 327-0646
ADDRESS: 1303 Industrial Drive, Royse City, TX 75189

PRODUCT: DUZ-ALL™ (Quarts, Ready to Use) **MSDS Prepared By:** J. Austin Maglothin, Ph.D.
PART NUMBER(S): K-476 **Revision Date:** April 2, 2010

SECTION I - GENERAL

Chemical Name & Synonym: None
Trade Name & Synonyms: DUZ-ALL™; AERATE ACIDULANT™
Chemical Family: Aqueous solution
Formula: Trade secret

SECTION II - HAZARDOUS INGREDIENTS

Phosphoric acid CAS No. 7664-38-2
Isopropanol CAS No. 67-63-0

SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C): 97
Vapor Pressure (MM Hg @ 20°C): Not applicable
Vapor Density (Air = 1): Not determined
Specific Gravity (H₂O = 1): 1.018
% Volatile by Volume: Not determined
Evaporation Rate (H₂O = 1): Not determined
Solubility in Water: Miscible
Appearance and Odor: Clear blue fluid with mint fragrance
pH: <1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%):
- LEL: Not applicable
- UEL: Not applicable
Flash Point (Method Used): Does not flash (TCC)
Extinguishing Media: Non-combustible. Use agents as appropriate for materials in surrounding fire.
Special Fire Fighting Procedures: None
Unusual Fire & Explosion Hazards: Will liberate flammable hydrogen gas on contact with many metals.

SECTION V - HEALTH HAZARD DATA

Route of Entry: Eye contact, skin absorption, ingestion
Carcinogenic Assessment: Not listed
Threshold Limit Value: Not determined
Effects of Overexposure: May be harmful if swallowed. Eye contact can cause irritation or burns. Repeated or prolonged skin contact can cause irritation, burns and dermatitis.
Emergency & First Aid Procedures: Eye contact: Flush with water for 15 minutes. Get medical attention.
Skin contact: Flush with large quantities of water. If irritation persists, get medical attention.
Ingestion: DO NOT INDUCE VOMITING. Drink large amounts of water, followed by egg whites or liquid antacid. Get immediate medical attention.

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Bases and metals
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled: Neutralize with baking soda. Wash away or mop up with large volumes of water
Waste Disposal Method: Dispose of in accordance with all local, state, and federal regulations. Rinse container well before discarding in an authorized landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not normally needed at ambient conditions.
Ventilation: Special ventilation is not normally needed.
Protective Gloves: Latex.
Eye Protection: Safety glasses or goggles recommended.
Other Protective Equipment: None.

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store in original shipping containers. Keep closed when not in use. Do not store near alkalis or other reactive materials. Shelf life is 1 year.
Protect from extreme heat or cold.
Keep out of reach of children. Read & follow label instructions.
Other Precautions: Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID), 8, UN3264, III
DOT Basic Description: Corrosive liquid
DOT Classification: Corrosive liquid