

KAADY CHEMICAL CORP.
2118 ADAMS AVE.
SAN LEANDRO, CA 94577
Emergency Phone: 800-424-9300

MATERIAL SAFETY DATA SHEET
PRODUCT NAME: CLEAN-ALL

N/A = NOT APPLICABLE
 NA = NOT AVAILABLE

PRODUCT NAME: CLEAN-ALL

PREPARED BY: K. Woods

DATE: 12/01/2011

CHEMICAL FAMILY: Acid mixture

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):
 Ammonium Acid Fluoride (1341-49-7)

%
 Less than 20%

EXPOSURE LIMITS, ppm: ACGIH TLV OSHA-PEL
 2.5 mg/M³ 2.5 mg/M³

CARCINOGENIC INGREDIENTS: Contains no known or suspected carcinogens.
 SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS: None

PHYSICAL PROPERTIES:

Boiling Point: About 200°F

Solubility in Water: 100%

Specific Gravity - Liquid (H₂O = 1): 1.03-1.05

Odor and Appearance: Clear, colorless liquid; mild odor

pH (undiluted): 4.0-4.5

% Volatiles: N/A

% Volatile Organic Content (VOC): 0

Vapor Pressure: NA

Vapor Density (Air = 1): NA

FIRE AND EXPLOSION DATA:

Flash Point: None

Flammability Limits: N/A

Extinguishing Media: Water, CO₂, foam, dry chemical

Special Firefighting Procedures: If large quantities are present, use self-contained breathing apparatus.

Unusual Hazards: None known. However, toxic and corrosive fluoride compounds may be released in a fire.

HEALTH EFFECTS:

Effects of overexposure: May cause skin irritation. May burn eyes if not promptly flushed from eyes. Ingestion may be harmful or fatal. Ingestion may also cause irritation or burns to mouth, throat, esophagus. Inhalation of spray may cause irritation of mucous membranes and respiratory tract.

Chronic effects of overexposure: None known

Medical conditions that may be aggravated by exposure: None known

Primary routes of entry: Ingestion, skin contact, inhalation of mist.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Flush thoroughly with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact: Flush thoroughly from skin with water for several minutes. If irritation persists, seek medical attention.

Ingestion: Induce vomiting under instructions from a physician or medical personnel. Give milk to dilute and get immediate medical attention.

Inhalation of mist or vapor: Move to fresh air. If breathing is difficult, give oxygen.

REACTIVITY DATA:

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility: Alkalis, Do not store in porcelain or glass

Hazardous Decomposition Products: Hydrogen fluoride, Ammonia

Conditions to Avoid: High Heat

SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Prevent spread of spill by diking. Dilute with water and neutralize with lime or soda ash.

Flush neutralized solution to sewer with plenty of water or absorb on an absorbent.

Waste disposal method: According to local, state, or federal ordinances.

SPECIAL PROTECTION INFORMATION:

Ventilation: Use with adequate ventilation.

Respiration Protection: Not needed in normal use.

Eye Protection: Safety glasses or goggles.

Protective Gloves: Impervious gloves recommended

Other Protective Equipment: None

SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage: Store in closed container. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

Other precautions: None

HAZARD RATING:

Health:	2	0 = Minimal	3 = Serious
Fire:	0	1 = Slight	4 = Severe
Reactivity:	0	2 = Moderate	