

**MATERIAL SAFETY DATA SHEET****SECTION I - PRODUCT IDENTIFICATION**

O.C.C.S.
13744 EXCELSIOR DR.
SANTA FE SPRINGS, CA 90670

CHEMTREC EMERGENCY TEL:
1-800-424-9300

PRODUCT NAME: 3110 - ULTRA CLEAN CLEAR AMMONIA
DATE PREPARED: 2/11/2009
HAZARD RATING: HEALTH-2; FIRE-0; REACTIVITY-1; SPECIAL-NONE
(HAZARD RATING SCALE: 4-SEVERE; 3-SERIOUS; 2-MODERATE; 1-SLIGHT; 0-MINIMAL)

SECTION II - HAZARDOUS INGREDIENT/IDENTITY INFORMATION

NAME	CAS NO.	ACGIH / TLV	OSHA / PEL
AMMONIUM HYDROXIDE	7664-41-7	25 ppm (skin)	25 ppm (skin)

All chemical compounds marked with an asterisk () are toxic chemicals subject to the reporting requirements of section 313 of SARA Title III. You must notify each person to whom this mixture or trade name product is sold.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	200 degrees F
VAPOR PRESSURE:	Unknown
VAPOR DENSITY (Air=1):	Unknown
SPECIFIC GRAVITY (H2O=1):	.98
MELTING POINT:	N/A
EVAPORATION RATE:	Unknown
SOLUBILITY IN WATER:	Complete
APPEARANCE:	Clear liquid
ODOR:	Ammonia Odor
PH:	10-11

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Non-flammable
EXTINGUISHING MEDIA:	Use media suitable for surrounding materials
FIRE FIGHTING PROCEDURES:	Fire fighters should wear self-contained breathing apparatus and protective clothing when fighting chemical fires.
FIRE & EXPLOSION HAZARDS:	Unknown

SECTION V - REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	Heat
INCOMPATIBILITY:	Sodium Hypochlorite, Strong acids
HAZARDOUS DECOMPOSITION:	Ammonia Gases
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION VI - HEALTH HAZARD DATA

EYE CONTACT: Strong eye irritant.
SKIN CONTACT: Repeated or prolonged skin contact may be irritating.
SKIN ABSORPTION: May be absorbed through skin with possible harmful effects.
INHALATION: May cause irritation in lungs and throat.
SWALLOWING: Gastrointestinal irritant if swallowed.
SYMPTOMS OF EXPOSURE: Nasal and respiratory irritation, dizziness, headache, and weariness from excessive inhalation. Tearing, blurred vision and pain from eye contact. Dry skin and irritation from excessive skin contact. Irritation, nausea, diarrhea, and vomiting from ingestion.
TARGET ORGAN EFFECTS: No cases reported.
MEDICAL CONDITIONS AGGRAVATED: May cause dermatitis if skin is sensitive.
EMERGENCY AND FIRST AID PROCEDURES: For eye contact, immediately flush with running water for at least 15 minutes. Get immediate medical attention. For skin contact, flush thoroughly with running water. If irritation is severe or persists, consult a physician. If swallowed, do NOT induce vomiting. Give several glasses of water or milk. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: At all times wear rubber gloves and goggles. Flush small spills to a sanitary sewer. Dike large spills to keep from spreading. Absorb with sand, earth, sawdust, or other suitable material and place in DOT-approved containers. Do NOT permit material to enter storm drains, surface water, or contaminate land. Provide adequate ventilation.

WASTE DISPOSAL METHOD: Dispose of in accordance with all Local, State, and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store near food. Keep from freezing.

OTHER PRECAUTIONS: This product may contain a trace amount of one or more of the chemicals on the California list of known carcinogens or substances known to cause birth defects or other reproductive harm. These are not added to the product but occur naturally in the raw materials or processing equipment.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION:	Not normally required with normal ventilation
VENTILATION:	Natural
PROTECTIVE GLOVES:	Rubber gloves or plastic gloves
EYE PROTECTION:	Chemical goggles or glasses
OTHER PROTECTION:	Not normally required
WORK / HYGIENIC PRACTICES:	Wash and dry hands thoroughly. Remove contaminated clothing promptly and launder before reuse.

SECTION IX - DOT

DOT SHIPPING NAME: Non-Regulated

SECTION X - DISCLAIMER

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of Orange County Chemical Supply's (O.C.C.S.) knowledge; however, O.C.C.S. makes no warranty whatsoever expressed or implied of merchantability of fitness for the particular purpose regarding the accuracy of such data or the results to be obtained from the use thereof. O.C.C.S. assumes no responsibility for injury to recipient or third persons or for any damage to any property and recipient assumes all such risks.