

MSDS: CO-QUEST 7

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TELECHEM INTERNATIONAL, INC

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Sunnyvale, CA 94089

1-408-744-1331

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EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 (NORTH AMERICA)

SUBSTANCE: CO-QUEST 7

TRADE NAMES/SYNONYMS:

PENTA SODIUM SALT OF AMINOTRIS (METHYLENEPHOSPHONIC) ACID SOLUTION;

CHEMICAL FAMILY: organophosphorus

CREATION DATE: Dec 30 1989

REVISION DATE: June 19 2002

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: (NITRILOTRIS(METHYLENE))TRISPHOSPHONIC ACID,

PENTASODIUM SALT

CAS NUMBER: 2235-43-0

EC NUMBER (EINECS): 218-791-8

COMPONENT: WATER

CAS NUMBER: 7732-18-5

EC NUMBER (EINECS): 231-791-2

SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=0 REACTIVITY=0

EMERGENCY OVERVIEW:

COLOR: white to yellow

PHYSICAL FORM: liquid

MAJOR HEALTH HAZARDS: No significant target effects reported.

POTENTIAL HEALTH EFFECTS:

INHALATION:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information is available

SKIN CONTACT:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information is available

EYE CONTACT:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information is available

INGESTION:

SHORT TERM EXPOSURE: no information on significant adverse effects

LONG TERM EXPOSURE: no information is available

CARCINOGEN STATUS:

OSHA: No

NTP: No

IARC: No

SECTION 4 FIRST AID MEASURES

INHALATION: If contact occurs, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

SKIN CONTACT: Wash skin with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention, if prolonged irritation occurs.. Thoroughly clean and dry contaminated clothing and shoes before reuse.

EYE CONTACT: Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

INGESTION: Contact local poison control center or physician immediately. Never make an unconscious person vomit or drink fluids. When vomiting occurs, keep head lower than hips to help prevent aspiration. If person is unconscious, turn head to side. Get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Negligible fire hazard.

EXTINGUISHING MEDIA: regular dry chemical, carbon dioxide, water, regular foam

Large fires: Use regular foam or flood with fine water spray.

FIRE FIGHTING: Move container from fire area if it can be done without risk.

Do not scatter spilled material with high-pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

FLASH POINT: No data available.

SECTION 6 ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE:

Stop leak if possible without personal risk. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Keep unnecessary people away, isolate hazard area and deny entry.

SECTION 7 HANDLING AND STORAGE

STORAGE: Store and handle in accordance with all current regulations and standards.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS:

CO-QUEST 7:

No occupational exposure limits established.

VENTILATION: Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

RESPIRATOR: Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use.

Any chemical cartridge respirator with organic vapor cartridge(s).

Any chemical cartridge respirator with a full face piece and organic vapor cartridge(s).

Any air-purifying respirator with a full face piece and an organic vapor canister.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with full face piece and operated in a

pressure-demand or other positive-pressure mode in combination with a separate escape supply.
Any self-contained breathing apparatus with a full face piece.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: liquid
APPEARANCE: clear
COLOR: white to yellow
ODOR: Bland
BOILING POINT: >220 F
FREEZING POINT: 30 F
VAPOR PRESSURE: Not determined
VAPOR DENSITY: Not determined
SPECIFIC GRAVITY: 1.40 @ 25 C
WATER SOLUBILITY: soluble
PH: 10.0 - 10.5

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Stable

INCOMPATIBILITIES: oxidizing materials
CO-QUEST 7:
OXIDIZING AGENTS: Incompatible

HAZARDOUS DECOMPOSITION:
Thermal decomposition products: oxides of carbon, nitrogen

POLYMERIZATION: Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

CO-QUEST 7:
ACUTE TOXICITY LEVEL:
Relatively Non-toxic: ingestion

(NITRILOTRIS(METHYLENE))TRISPHOSPHONIC ACID, PENTASODIUM SALT:
TOXICITY DATA:
17800 mg/kg oral-rat LD50; >15800 mg/kg skin-rabbit LD50; >2510 mg/kg oral-quail LD50; >2510 mg/kg oral-duck LD50

ACUTE TOXICITY LEVEL:
Relatively Non-toxic: ingestion

HEALTH EFFECTS:

INHALATION:

ACUTE EXPOSURE: CO-QUEST 7 may cause slight irritation.

CHRONIC EXPOSURE:

CO-QUEST 7: No data available.

SKIN CONTACT:

ACUTE EXPOSURE:

CO-QUEST 7: may cause slight irritation.

CHRONIC EXPOSURE:

CO-QUEST 7: Repeated and prolonged contact with Co-quest 7 may cause dermatitis.

EYE CONTACT:

ACUTE EXPOSURE:

CO-QUEST 7: may cause slight irritation.

CHRONIC EXPOSURE:

CO-QUEST 7: Repeated and prolonged contact may cause conjunctivitis.

INGESTION:

ACUTE EXPOSURE:

CO-QUEST 7: May cause gastrointestinal disturbances.

CHRONIC EXPOSURE:

CO-QUEST 7: Not determined.

SECTION 12 ECOLOGICAL INFORMATION

Not determined

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with all State, Federal and local applicable regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: No classification assigned. Not regulated.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: No classification assigned.

AIR TRANSPORT IATA/ICAO: No classification assigned.

MARITIME TRANSPORT IMDG: No classification assigned.

SECTION 15 REGULATORY INFORMATION

STATE REGULATIONS:

California Proposition 65: Not regulated.

CANADIAN REGULATIONS:

WHMIS CLASSIFICATION: Not determined.

SECTION 16 OTHER INFORMATION

None available.