1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:
FERTIZONA – CASA GRANDE L.L.C.
2850 South Peart Road • Casa Grande, AZ 85193

24-Hour Emergency Phone: 1-800-424-9300
Medical Emergencies: 1-866-944-8565
U.S Coast Guard National Response Center: 1-800-424-8802

PRODUCT NAME: 2 LB. SODIUM CHLORATE
CHEMICAL NAME: Sodium Chlorate + Urea (Fire Retardant)
CHEMICAL FAMILY: Defoliant
EPA REG. NO.: 34704-1022-51092
MSDS Number: 001022-10-FCG
MSDS Revisions: New
Date of Issue: 08/18/10
Supersedes: New

2. HAZARDS IDENTIFICATION SUMMARY

KEEP OUT OF REACH OF CHILDREN – CAUTION - Harmful if swallowed. May cause skin irritation.
This product is a clear, colorless liquid with a no odor. Primary routes of entry are eye contact and skin contact.

3. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients: Percentage by Weight: CAS No. TLV (Units)
Sodium Chlorate 18.00 7775-09-9 not established
Inert Ingredients 82.00

4. FIRST AID MEASURES

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565. Have the product label or container with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: There is no specific antidote. Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/Test Method): Not flammable
FLAMMABLE LIMITS (LFL & UFL): Not applicable
EXTINGUISHING MEDIA: Considered non-combustible. Use medium appropriate to surrounding fire. Foam, dry chemical, carbon dioxide, water or fog.
HAZARDOUS COMBUSTION PRODUCTS: Sodium oxide, chlorine, and chlorine dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: Wear protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors. Keep non-essential personnel away from the immediate fire area, and out of any fall-out or run-off areas.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Small spill or leak: Avoid bodily contact. Confine spill by diking with suitable absorbent material and recover as much free liquid as possible. Pick up absorbed spill and place in a suitable container for proper disposal in accordance with all Federal, State and Local regulations.
Large spill or leak: Follow basic procedure as outlined in small spill or leak steps above. Follow this by washing with a strong soap and water solution. Absorb any excess liquid and add to the drums of waste collected. Repeat if necessary. Dispose in accordance with Federal, State and Local regulations.

CAUTION: Do not allow any spill clean up materials to enter waterways.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300
7. HANDLING AND STORAGE

HANDLING: Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not use near heat or open flame.

STORAGE: Keep in original container. Do not reuse empty container. Store in a cool, dry place. Protect from excessive heat. Avoid storage near feed and food products. Do not store next to strong acids or emulsifiable concentrates of Parathion or Malathion. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

RESPIRATORY PROTECTION: Wear a NIOSH approved pesticide respirator with organic vapor cartridge and pesticide prefilter.

EYE PROTECTION: Chemical goggles or shielded safety glasses.

SKIN PROTECTION: Wear protective clothing: coveralls over short-sleeved shirts and short pants, shoes plus socks. Wear rubber or chemical-resistant gloves.

OSHA PEL 8 hr TWA ACGIH TLV-TWA Not listed not listed

Personal Protective Equipment (PPE): Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, such as polyethylene or polyvinyl chloride, and shoes plus socks. Follow manufacturer’s instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, colorless liquid with no odor
SPECIFIC GRAVITY (Water = 1): 1.162 g/ml
VAPOR PRESSURE (mm Hg): 0 at 20°C
PERCENT VOLATILE (by volume): Not established
Note: These physical data are typical values based on material tested but may vary from sample to sample.

SOLUBILITY: Soluble
BULK DENSITY: 9.70 lbs/gal.
BOILING POINT: Not established
EVAPORATION RATE: Not established

Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: None known
INCOMPATIBILITY: Strong acids, organic substances, sulfur, metal powders, and ammonia compounds.

HAZARDOUS DECOMPOSITION PRODUCTS: Free oxygen and chlorine under fire conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (rat): >5,000 mg/kg
Eye Irritation (rabbit): May cause mild eye irritation.
Inhalation LC50 (rat): >5.59 mg/L (4 HR)
Carcinogenic Potential: No components listed in ACGIH, OSHA, NTP, or IARC as a carcinogen.

Acute Dermal LD50 (rabbit): >2,000 mg/kg
Skin Irritation (rabbit): May cause mild skin irritation.
Skin Sensitization (guinea pig): Not a sensitizer

12. ECOLOGICAL INFORMATION

Spray, drift, seepage, and drainage will injure or kill all vegetation. Do not graze treated areas or feed waste to livestock. Keep out of lakes, ponds, streams, or streams. Do not contaminate water when disposing of equipment wash waters.
13. DISPOSAL CONSIDERATIONS

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.
Container Disposal: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT.
U.S. Surface Freight Classification: DESSICANTS OR DEFOLIANTS, PLANT (NMFC 50320; CLASS: 60)
Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:  

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SARA Hazard Notification/Reporting

SARA Title III Hazard Category:  

Immediate Y Fire N Sudden Release of Pressure N
Delayed N Reactive N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed
SARA, Title III, Section 313: Not listed
RCRA Waste Code: Not listed
CA Proposition 65: Not listed

16. OTHER INFORMATION

MSDS STATUS: New
PREPARED BY: Registrations and Regulatory Affairs REVIEWED BY: Environmental/Regulatory Services

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