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MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

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PRODUCT NUMBER: 479
IDENTITY: WEED WITCH

Revision Date: 01/22/2003

Section I

Manufacturer's Name: QUEST CHEMICAL CORPORATION
Address: 12255 FM 529
NORTHWOODS INDUSTRIAL PARK
HOUSTON
State: TX Zip Code: 77041

Telephone Numbers:
Emergency: 800/255-3924
Information: 713/8968188

HMIS CODES: REACTIVITY: 0 FLAMMABILITY: 0 HEALTH: 2 PERSONAL PROTECT: B

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (All of the ingredients contained in this product are listed on the TSCA inventory.)

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Name	Cas No.	OSHA PEL	ACGIH TLV	OTHER LIM	%
SODIUM CHLORATE	7775099	N/A	N/A	N/A	---
SODIUM HYDROXIDE *	1310-73-2	2 MG/M3	2 MG/M3	N/A	---
SODIUM TETRABORATE	1303964	N/A	5 PPM	N/A	---
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Comment:

THIS PRODUCT CONTAINS THE TOXIC CHEMICALS MARKED WITH AN * SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS

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Boiling Point: 210 F Specific Gravity (water=1) 1.34
Vapor Pressure (mm Hg) 3.0 MM Melting Point: N/A
Vapor Density (AIR=1) >1 Evaporation Rate: <1
Solubility in Water: 100% (Butyl Acetate=1)
Appearance and Odor: CLEAR YELLOW, FREE-FLOWING LIQUID, ALKALINE PH

Section IV: FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used): NE Flammable Limits: LEL: NONE UEL: NONE
Extinguishing Media: MATERIAL IN LIQUID FORM IS NOT FLAMMABLE
Special Fire Fighting Procedures: NONE REQUIRED

Unusual Fire and Explosion Hazards: USED AS A WEED KILLER, PLANTS KILLED ARE FLAMMABLE (GRASSES, WEEDS WILL BURN). EXPOSURE OF WEEDS TO FIRE MAY GENERATE PRODUCTS OF DECOMPOSITION (CHLORIDE, CHLORINE, ETC.).

Section V: REACTIVITY DATA

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Stability: Unstable: Conditions to avoid:
Stable: X DO NOT MIX WITH ANYTHING BUT WATER.
Incompatibility (Materials to Avoid): FOR USE ONLY WITH WATER DILUTION. DO NOT MIX WITH ANY OTHER FLUIDS.
Hazardous Decomposition or Byproducts: ON DECOMPOSITION BY FIRE, CHLORIDES AND CHLORINE MAY BE RELEASED.
Hazardous Polymerization: May Occur: Will Not Occur: X
Conditions to Avoid: NONE KNOWN

Section VI: HEALTH HAZARD DATA

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Health Hazards (Acute and Chronic):
MAY CAUSE EYE BURNS DUE TO CAUSTICITY, SKIN ALSO. ALKALINITY MAY BURN TO EVEN POINT OF VISION LOSS IF DIRECTIONS ARE NOT FOLLOWED.

Carcinogenicity: NTP:NO IARC Monographs:NO OSHA Reg:NO
Signs and Symptoms of Exposure: SKIN: BURNING, IRRITATION. EYES: BURNING, IRRITATION, BLURRED VISION. INHALATION: IRRITATION OF NASAL AND RESPIRATORY TRACT. INGESTION: NAUSEA, DIZZINESS, HEADACHE, FEVER.
Medical Conditions Generally Aggravated by Exposure: IF INGESTED, PERSONS WITH KIDNEY DISORDERS CAN BE MORE SEVERLY AFFECTED.

Emergency and First Aid Procedures: SKIN: WASH WITH SOAP AND WATER. EYES: WASH WITH WATER FOR 15 MINUTES; SEE DOCTOR IMMEDIATELY. INHALATION: REMOVE AND REST. INGESTION: INDUCE VOMITING VIA SALINE CATHARTIC; SEE DOCTOR.

Section VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: SMALL SPILL: ABSORB INTO INERT VERMICULITE AND PUT INTO NON-LEAKING CONTAINER. DO NOT LET RUNOFF. LARGE SPILL: DIKE AREA. DO NOT ALLOW RUNOFF INTO WATER BODIES. STOP LEAK AT SOURCE. USE ABSORBANT TO RECLAIM SPILLAGE. PLACE IN CONTAINERS
Waste Disposal Method: DISPOSE OF ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS. RINSE CONTAINER AND PUNCTURE AND DISPOSE OF IN A SANITARY LANDFILL. WEAR GLOVES AT ALL TIMES HANDLING MATERIAL.

Precautions to be Taken in Handling and Storing: STORE BETWEEN 40-90F; IN SECURE AREA AWAY FROM CHILDREN. DO NOT SPRAY NEAR LIVESTOCK, AROUND FEEDING AREAS OR OVER LIVE VEGETATION. DO NOT STORE IN ALUMINUM CONTAINERS.
Other Precautions: CONTROL ACCESS TO MATERIAL - FOR TRAINED PERSONNEL ONLY. READ AND FOLLOW ALL LABEL DIRECTIONS.

Section VIII: CONTROL MEASURES

Respiratory Protection: FOR OPEN AIR USE ONLY - SPRAY ONLY IN OPEN FIELDS.
Ventilation: Local Exhaust:N/A
Mechanical: N/A Special: N/A
Other: N/A
Protective Gloves:WEAR RUBBER GLOVING AT ALL TIMES
Eye Protection: WEAR GOGGLES, FACE SHIELD AT ALL TIMES
Other Protective Clothing or Equipment:
CHEMICALLY IMPERVIOUS CLOTHING, SAFETY BOOTS. EYE BATH & SAFETY SHOWER AVAL
Work/Hygienic Practices: NEAR WORK AREA