

Material Safety Data Sheet

Effective Date: 21-FEB-2000
Product: QUATRO

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE.
Chemical Family: DISINFECTANTS/SANITIZERS/DEODORIZERS.
Formula: NOT APPLICABLE, FORMULATED MIXTURE.
Synonyms: NONE
CAS Number: SEE INGREDIENT STATEMENT, SECTION III.
EPA Number: 1839-86-5905

II. PHYSICAL DATA

Boiling Point: 212 DEGREES F.
Freezing Point: 32 DEGREES F.
Spec Gravity: 0.971 GMS/CC
Vapor Pressure: NOT DETERMINED
Vapor Density: HEAVIER THAN AIR
Solubility: 100%
Volatiles: 50%
Evaporation: < ETHYL ETHER
Melting Point: NOT APPLICABLE
Appearance: CLEAR LIQUID, LOW ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (C12-C18), N-ALKYL DIMETHYL ETHYL BENZYL AMMONIUM CHLORIDE (C12-C14), DENATURED ETHYL ALCOHOL AND WATER (CAS NUMBERS: 68391-01-5, 68956- 79-6, AND 00064-17-5)		100.00	1880 MG/M3 (ETHANO L)	SEVERE EYE AND SKIN IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: 170 DEGREES F.
Autoignition Temp: NOT APPLICABLE
Flammable Limit: LOWER 4%
Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, FOAM, OR CLASS BC
OR ABC EXTINGUISHER.
Special Fire Fight Proc: SELF-CONTAINED POSITIVE PRESSURE BREATHING
APPARATUS AND PROTECTIVE CLOTHING SHOULD BE
WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

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Fire and Expl Hazard: USE WATER SPRAY TO COOL FIRE-EXPOSED
CONTAINERS.

V. HEALTH HAZARD

Carcinogen Information: NOT LISTED BY OSHA, NTP, OR IARC.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: SWALLOWING COULD BE HARMFUL TO YOUR HEALTH.
Skin Absorption: COULD BE HARMFUL IF ABSORBED THROUGH SKIN.
Inhalation: MIST OR SPRAY MAY CAUSE IRRITATION TO THE
MUCOUS MEMBRANES.
Skin contact: PROLONGED OR REPEATED CONTACT WITH SKIN CAUSES
IRRITATION AND POSSIBLE SKIN DAMAGE.
Eye Contact: CORROSIVE TO EYES: DIRECT CONTACT TO EYES IS
PAINFUL AND IRRITATING AND MAY CAUSE CHEMICAL
BURNS.
Chronic Effects: CHRONIC EFFECTS AND MEDICAL CONDITIONS
AGGRAVATED BY OVER EXPOSURE TO THIS PRODUCT
HAVE NOT BEEN ESTABLISHED. EXPOSURE TO THIS
PRODUCT OR ANY CHEMICAL SHOULD BE AVOIDED.
Other Hazard: PROLONGED INHALATION OF VAPORS CAUSES NAUSEA,
LOSS OF MOTOR SKILLS, AND DISORIENTATION.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: IF INGESTED, DRINK EGG WHITES OR GELATIN
SOLUTION, OR IF THESE ARE NOT AVAILABLE, DRINK
LARGE QUANTITIES OF WATER. CALL POISON CONTROL
CENTER OR PHYSICIAN IMMEDIATELY.
Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF
IRRITATION DEVELOPS, CONSULT A PHYSICIAN
IMMEDIATELY.
Inhalation: IF VAPORS OR MIST CAUSE IRRITATION OR DISTRESS,
GO TO FRESH AIR. OBTAIN MEDICAL ATTENTION
IMMEDIATELY.
Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING
EYELIDS OPEN. IF IRRITATION DEVELOPS, CONSULT A
PHYSICIAN IMMEDIATELY.
Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT
SHOULD BE DIRECTED TOWARD CONTROL OF THE
SYMPTOMS. PROBABLE MUCOSAL DAMAGE MAY
CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

VI. REACTIVITY

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Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN.
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: STRONG OXIDIZING AGENTS.
Hazardous Combustion: MAY PRODUCE NITROUS OXIDES AND AMMONIACAL VAPORS
UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: DIKE AND ABSORB SPILL WITH AN ABSORBENT SUCH AS
CLAY, SAND, OR SAWDUST. TRANSFER TO SUITABLE
CONTAINERS FOR PROPER DISPOSAL. FLUSH SPILL
AREA WITH WATER, ABSORB AND PLACE IN SAME
CONTAINERS WITH OTHER MATERIAL.
Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO
FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE
RESOURCE CONSERVATION AND RECOVERY ACT.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: IF VAPORS ARE PRESENT, USE NIOSH/MSHA APPROVED
RESPIRATORY PROTECTION FOR ORGANIC VAPORS.
Ventilation: LOCAL EXHAUST SUFFICIENT.
Gloves: IMPERVIOUS
Eyes: CHEMICAL WORKERS GOGGLES.
Other: EYE WASH STATION, SAFETY SHOWER, IMPERVIOUS
APRON AND FOOTWEAR.

IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE
WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED
OR CONSUMED BY HUMANS OR ANIMALS. DO NOT
CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR
PONDS. KEEP CONTAINERS TIGHTLY CLOSED. KEEP
AWAY FROM HEAT, SPARKS OR FLAMES. STORE IN A
DRY PLACE NO LOWER IN TEMPERATURE THEN 50
DEGREES F. OR HIGHER THAN 120 DEGREES F.
Other precaution: THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL
SUBJECT TO THE REPORTING REQUIREMENTS OF
SECTION 313 OF TITLE III OF THE SUPERFUND
AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND
40 CFR PART 372.

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X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT IN NON-BULK QUANTITIES -
LESS THAN 119 GALLONS. (SEE NOTE BELOW)

Hazard Class: NONE
Identification No: NONE
Labels Required: NONE REQUIRED
Placarding: NONE REQUIRED

Freight Class: DISINFECTANTS/DEODORIZERS, LIQUID, N.O.I.

Chemical Name

Equivalent R.Q.

NOT APPLICABLE

NOT APPLICABLE

TRANSPORTATION NOTE: REGULATED IN BULK CONTAINERS (119 GALLONS OR MORE):
COMBUSTIBLE LIQUID, N.O.S., (CONTAINS 3% ETHANOL), NA 1993, PG III
"ERG # 128"

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2

Fire: 1

Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y
Sudden Release of pressure: N
Reactive: N

Delayed (Chronic) Health: N
Fire: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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