
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
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SAFEGUARD QUAT**MSDS ID: 09387**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SAFEGUARD QUAT

Product Code: 09387

Product Function: INDUSTRIAL WATER COOLING TOWER ALGAECIDE

MANUFACTURER: JOHNSON DIVERSEY, INC. EMERGENCY PHONE NUMBER: (800) 851-7145
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name(CAS Number)	%	Exposure Limits
ETHYL ALCOHOL (64-17-5)	<3	TLV 1000, PEL 1880
EPA REG. NO. 1839-138-875		MG/M3

3. HAZARDS IDENTIFICATION

Primary Routes of Entry

Inhalation: YES

Skin: YES

Ingestion: YES

4. FIRST AID MEASURES

Eyes: IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF EYES ARE INJURED OR IRRITATION PERSISTS.

Skin: IMMEDIATELY FLUSH WITH FRESH WATER. REMOVE CONTAMINATED CLOTHES AND SHOES.

Ingestion: GIVE SEVERAL GLASSES OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE FLUIDS BY MOUTH TO AN UNCONSCIOUS PERSON.

Inhalation: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

5. FIRE FIGHTING MEASURES

Flash Point (degrees F): >200

Unusual Fire or Explosion Hazards: LIQUID CORROSIVE MATERIAL

Extinguishing Media: WATER SPRAY, CO2, DRY CHEMICAL

Fire Fighting Instructions: WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED BREATHING APPARATUS (SCBA) IN FIRE AREA.

6. ACCIDENTAL RELEASE MEASURES

If Material is Released or Spilled:

CONTAIN SPILL. ABSORB SMALL AMOUNTS ON SAND OR CLAY. PLACE IN COMPATIBLE CONTAINER. WASH SPILL AREA THOROUGHLY WITH WATER. CERCLA PRODUCT RQ = NOT ESTABLISHED

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7. HANDLING AND STORAGE

STORE IN A COOL, DRY PLACE. KEEP CONTAINER CLOSED WHEN MOVING OR NOT IN USE.
KEEP OUT OF THE REACH OF CHILDREN.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: CHEMICAL GOGGLES, SIDE SHIELDED SAFETY GLASSES, OR
FACE SHIELD
Protective Gloves: RUBBER/CHEMICAL RESISTANT
Respiratory Protection: WEAR APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN
PEL/TLV IN MIST, SPRAY, OR DUSTY CONDITIONS.
Other Protective Clothing/Equipment: WEAR APRON. PROTECTIVE CLOTHING AND
FOOTWEAR. LAUNDRER CLOTHES BEFORE
REUSE. SAFETY SHOWER/EYE WASH.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: CLEAR COLORLESS LIQUID WITH A SWEET ODOR
Boiling Point (F): 212 Freezing Point: Not Determined
Specific Gravity: 0.9900 pH: Not Determined
pH 1% SOLUTION: Not Determined
Volatile (% by Vol.): 90 Solubility in Water: 100

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE
Incompatibility With Other Materials: ACIDS, SOAPS, OR ANIONIC DETERGENTS
Hazardous Decomposition Products: OXIDES OF CARBON AND NITROGEN WITH
THERMAL DECOMPOSITION
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:
Acute: CAUSES BURNS TO EYES AND SKIN. INHALATION OF MISTS OR DUSTS
IRRITATES OR CAUSES BURNS TO RESPIRATORY SYSTEM AND LUNG TISSUE.
HARMFUL IF SWALLOWED.
Chronic: NO KNOWN CHRONIC HAZARDS.
Medical Conditions Generally Aggravated by Exposure:
SENSITIVE SKIN. DUST OR MIST MAY AGGRAVATE RESPIRATORY DISEASE.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, OR FEDERAL REGULATIONS. REMOVE
OR DEFACE LABEL BEFORE SELLING, RECYCLING, OR DISPOSAL OF CONTAINER.

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14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA/EPCRA/313 Toxic Chemicals:
NONE

CARCINOGENICITY:

Not listed as carcinogenic by IARC, NTP, OSHA, ACGIH

HMIS Ratings: Health: 3 Fire: 0 Reactivity: 0
Personal Protective Equipment: D

State Right-to-Know Information:

ETHYL ALCOHOL - CAS #64-17-5

WATER - CAS #7732-18-5

DIDECYLDIMETHYL AMMONIUM CHLORIDE - CAS #91490-94-7

16. OTHER INFORMATION

DISCLAIMER: The information contained in this safety data sheet is based on knowledge of this specific product and current national legislation. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the applicability of this information for their particular conditions of storage, handling, and use.