

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION

Formula 268 A formulated liquid
 Name Aqua Quat Type nonselective
 herbicide.

D.O.T.

Shipping Name: N/A

Hazard Class: N/A

ID No. N/A Label N/A

II. HAZARDOUS INGREDIENTS

Material	Weight%	TLV
diquat dibromide (6,7-dihydrodipyrido (1,2-a:2',1'-c) pyrazinediimine dibromide) (CAS #85-00-7)	2.36	0.5 mg/m ³
ethylene dibromide (CAS #106-97-4)	0.001	Skin-no limit established

III. PHYSICAL DATA

Bolling Point (F) 200-220°F Specific Gravity (Water = 1) 1.014min.

Volatile By Weight (%) > 90 Weight Per Gallon: (Pounds) 8.46lb.

Solubility In Water complete pH 6.5

Appearance & Odor: A opaque dark brown liquid with low odor.

IV. FIRE & EXPLOSION HAZARD DATA

Flashpoint (F°) (Method used): None to 200°F., by T.C.C.

Extinguishing Media: N/A

Special Fire Fighting Procedures: Minimize the amount of water used for fire fighting.

DANGER, FIRE AND EXPLOSION HAZARDS: Thermal decomposition of the dried residue of this product may lead to the formation of arsenic, bromine, or hydrogen bromide gases. Avoid breathing smoke and fumes. Do not enter area without full protective equipment including self-contained breathing equipment.

V. HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: DANGER: May be fatal if swallowed, inhaled or absorbed through the skin. Causes skin irritation. Direct contact with eyes will result in irritation. Do not get material on skin, eyes or clothing. Symptoms of injury may be delayed. Symptoms of inhalation overexposure of mist may include headache, nosebleed, sore throat and coughing. Signs and symptoms following ingestion of diquat concentrate may initially include nausea, vomiting, abdominal pain and severe irritation of the mouth, throat and esophagus. These can be followed by kidney failure and other internal organ involvement. CHRONIC HEALTH EFFECTS: Animals maintained on diets containing diquat showed a dose-dependent increase in cataracts. This effect is not expected at exposure levels found in the workplace. Ethylene dibromide is a suspect carcinogen. Because of the low levels present, ED8 is not expected to present any additional hazards if the product is handled according to the precautions on the label and this MSDS.

FIRST AID PROCEDURES

If Swallowed _____

IF SWALLOWED: Contact a physician immediately. Give one or two glasses of water. Induce vomiting by placing finger in back of throat or by following directions on the label of a bottle of Syrup of Ipecac. Never give anything by mouth to an unconscious person. Call a physician immediately.

If Inhaled Remove person to fresh air. Seek medical attention immediately.

If In Eyes: Flush eyes immediately with plenty of cool water for at least 15 minutes. Get prompt medical attention. Do not wear contact lenses when working with this product.

If On Skin: Flush area with water, then wash with soap water immediately. Remove contaminated clothing and wash separately. Discard contaminated nonwaterproof shoes and boots.

VI. REACTIVITY DATA

Stability STABLE

Conditions To Avoid: Exposure to extreme heat.

INCOMPATIBILITY (Materials to avoid): Do not mix this product with any other chemical, other than water or State's Wet Down nonionic surfactant. Do not mix with strong alkalis and/or anionic surfactants.

Hazardous Decomposition Products:

Thermal decomposition of the dried residue of this product may result in the formation of ammonia, bromine or hydrogen bromide gases.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

VII. SPILL OR LEAK PROCEDURES

Steps To Be Taken if Material Is Released Or Spilled Dike the area of the spill. Absorb the spill on State Oil

Absorbant, sand or vermiculite. Flush any residues with plenty of water and collect the rinsate.

WASTE DISPOSAL METHOD: Pesticide disposal: Pesticide, spray mixture or rinse water that cannot be used according to label directions must be disposed of according to applicable Federal, State or Local procedures.

Container disposal: Triple-rinse (or equivalent), then offer for recycling or reconditioning, or dispose of in a sanitary land fill or by incineration if allowed by state and local authorities.

Follow All Federal, State and Local Regulations Regarding Waste Disposal.

VIII. SPECIAL PROTECTION INFORMATION

Eye protection and protective gloves are recommended any time you work with any concentrated industrial strength cleaning products. Avoid breathing vapors or spray mist of this product. No special respiratory
Respiratory Protection protection is normally required.

Ventilation Use only outdoors.

Protective Gloves Required Eye Protection Chemical safety goggles or face shield

OTHER PROTECTIVE EQUIPMENT: A neoprene apron or other protective clothing as well as water proof boots may be worn. Have a source of cool, clean water nearby in case of accidental eye or skin contact.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

WARNING: May be fatal if swallowed, inhaled or absorbed through the skin. Causes skin irritation. Do not get material on skin, eyes or clothing. Symptoms of injury maybe delayed. Wear face shield, rubber gloves and rubber apron when handling concentrate. Do not breath spray mist in order to avoid nasal, throat and respiratory tract irritation. When spraying or contacting sprayed vegetation wet with spray, dew or rain wear water proof foot gear and clothing. Do not contaminate food, feed or drinking water by storage or disposal. Open dumping of this container is prohibited. Do not reuse empty container. Do not store at temperatures below 12°F. Store only in a cool dry place. Keep container tightly closed when not in use. Do not store near fertilizer, seeds, insecticides or fungicides. OTHER PRECAUTIONS: For aquatic weed control: For application only to ponds, lakes and drainage ditches where there is little or no outflow of water and which are totally under the control of the product's user. Do not use treated water for animal consumption, spraying, irrigation or domestic purposes for 14 days after treatment. Avoid creating muddy water during application. Do not apply under conditions of high wind and wave action. Do not apply where plants are covered with mud deposits. Ground weed control: Avoid spray drifts to foliage of food crops and ornamental plants.

Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. Not intended for household use or resale.

KEEP OUT OF THE REACH OF CHILDREN.

While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local laws and regulations.

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HEALTH AND SAFETY INFORMATION (216) 861-7114

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