

Product Code: MSDS037
Product Name: LEMON QUAT EPA REG. # 1839-168-12228
 ITEM CODE: 374029

24-hour Emergency Phone: (800) 535-5053

HMIS CODES H F R P
 2 0 0 X

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DISTRIBUTED BY:
 DAYCON PRODUCTS COMPANY, INC.
 16001 TRADE ZONE AVE.
 UPPER MARLBORO, MD 20774

2. HAZARDS IDENTIFICATION

Irritant of the eyes and skin, of the mucous membranes and of the respiratory tract. If swallowed, causes abdominal pain and gastric discomfort.



Potential Health Effects

EYE:

May be corrosive to the eyes. May cause irreversable eye damage.

SKIN:

Skin irritant. May be corrosive to the skin. Causes skin burns. This product may be fatal if it is absorbed through the skin.

INGESTION:

May cause nausea, vomiting and stomach irritation.

INHALATION:

Harmful if inhaled, dependent on the extent of exposure. Under normal conditions, using adequate ventilation no problems are expected. Do not breath gas/fumes/vapor/spray. May be a strong irritant or corrosive if inhaled.

CHRONIC (CANCER) INFORMATION:

Not listed by IARC or NTP as a carcinogen.

TERATOLOGY (BIRTH DEFECT) INFORMATION:

Not classified as a teratogen. A raw material in this product has caused birth defects in laboratory animals when ingested in high doses by pregnant animals.

REPRODUCTION INFORMATION:

Does not harm reproductive cells.

Product Code: MSDS037
Product Name: LEMON QUAT EPA REG. # 1839-168-12228
 ITEM CODE: 374029

24-hour Emergency Phone: (800) 535-5053

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/Exposure Limits	CAS#	% by Wt.
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	Not Regulated
Octyl decyl dimethyl ammonium chloride	32426-11-2	Not Regulated
Ethanol	64-17-5	Not Regulated
ACGIH STEL: 1000 ppm		
OSHA PEL: 1000 ppm; 1900 mg/m3		
Tetrasodium ethylenediamine tetraacetate	64-02-8	Not Regulated
Didecyl dimethyl ammonium chloride	7173-51-5	Not Regulated

4. FIRST AID MEASURES

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(s). Call a poison control center or doctor for treatment advice.

SKIN:

Immediately flush skin with water while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Wash clothing before reuse and discard contaminated shoes.

INGESTION:

Seek immediate medical attention. Do not induce vomiting. Vomiting will cause further damage to mouth and throat. If individual is conscious and alert, immediately rinse mouth with water and give milk or water to drink. If possible, do not leave the individual unattended.

INHALATION:

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.

NOTE TO PHYSICIANS:

Probable mucosal damage may contraindicate the use of gastric lavage. The material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

5. FIRE FIGHTING MEASURES

Product Code: MSDS037
Product Name: LEMON QUAT EPA REG. # 1839-168-12228
 ITEM CODE: 374029

24-hour Emergency Phone: (800) 535-5053

FLAMMABLE PROPERTIES:

FLASH POINT: N/A **Method: N/A**
Greater than 200F. Not flammable.

FLAMMABLE LIMITS:

Lower flammable limit: N/A
Upper flammable limit: N/A

AUTOIGNITION TEMPERATURE:

Not Applicable.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon.

EXTINGUISHING MEDIA:

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

FIREFIGHTING INSTRUCTIONS:

Wear full protective clothing, including self-contained positive pressure or pressure demand breathing apparatus, helmet, and protective clothing. Use water spray to cool fire-exposed containers and to protect personnel.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Collect free material. Absorb remainder on inert absorbant. Wash area with plenty of water.

LARGE SPILL:

If possible, clean up spill area on a dry basis and then flush with plenty of water. Absorb liquid with vermiculite, floor absorbent or other absorbent material. Keep out of sewer, streams, ponds, lakes, or other waterways.

7. HANDLING AND STORAGE

HANDLING:

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operation on or near empty containers. Keep away from heat, sparks, and flames.

STORAGE:

Keep containers covered. Avoid eye and prolonged skin contact. Do not store near heat, sparks, flame or strong

Product Code: MSDS037
Product Name: LEMON QUAT EPA REG. # 1839-168-12228
 ITEM CODE: 374029

24-hour Emergency Phone: (800) 535-5053

oxidants. Take the usual chemicals handling precautions. Handle and use in a manner consistent with good industrial techniques and practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended limits. Emergency showers and eyewash facilities should be in close proximity.

RESPIRATORY PROTECTION:

If irritation is experienced, a NIOSH-approved respirator should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposure. Respiratory protection may be needed for non-routine or emergency situations.

SKIN PROTECTION:

Wear impervious gloves, safety apron, and clothing if there is a chance of skin contact with product.

EYE PROTECTION:

Chemical splash goggles with side shields recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: N/A
MELTING POINT: Not applicable.
VAPOR PRESSURE: NO INFORMATION AVAILABLE.
VAPOR DENSITY: (Air=1): >1
SOLUBILITY IN WATER: Soluble
SPECIFIC GRAVITY: 1.006
pH: 6-7.5
ODOR: Lemon.
APPEARANCE: Grass Green.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID):

Stable.

INCOMPATIBILITY:

Strong oxidizing agents. Keep away from heat, sparks, or open flame.

HAZARDOUS DECOMPOSITION PRODUCTS:

Product Code: MSDS037
Product Name: LEMON QUAT EPA REG. # 1839-168-12228
 ITEM CODE: 374029

24-hour Emergency Phone: (800) 535-5053

Oxides of carbon, may be emitted if product burns.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE:

Severely irritating.

SKIN:

Extremely irritating. May be corrosive.

INGESTION:

Harmful if swallowed. May be fatal if swallowed in high doses.

INHALATION:

Exposure to vapor may cause irritation of the eyes, nose, and respiratory tract. May cause nausea. May cause headaches.

SUBCHRONIC:

All components of this product are listed on the U. S. TOXIC SUBSTANCE CONTROL ACT (TSCA) Inventory or exemption has been granted in accordance with 40 CFR 723.50.

CHRONIC/CARCINOGENICITY:

Not classified as a carcinogen.

TERATOLOGY:

Not a teratogen.

REPRODUCTION:

Not expected to effect human reproduction.

MUTAGENICITY:

Not mutagenic.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

If this product becomes a waste, it does not exhibit the properties of ignitability, corrosivity, reactivity or

