

## SAFETY DATA SHEET (SDS)

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### 1 - IDENTIFICATION

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MANUFACTURER: DANA CHEMICALS INC.  
3532 GRIFFITH  
ST-LAURENT, QUEBEC, CANADA H4T 1A7  
WWW.DANACHEMICALS.CA

PRODUCT NAME: **DUOQUAT**  
PRODUCT USE: Cleaner, detergent, sanitizer, disinfectant, deodorizer, fungicide, mildewstat  
EMERGENCY PHONE NUMBER: 514-731-6836  
514-924-6836  
514-578-4647

CAS #: N/A (mixture)

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### 2 – HAZARD IDENTIFICATION

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Eye Dam. 1 H318 Causes serious eye damage.  
Skin Corr. 2 H315 Causes skin irritation.

Additional information:

This product is registered as a drug according to the Food and Drugs Act (R.S.C., 1985, c. F-27). It is not regulated under the Hazardous Products Act (R.S.C., 1985, ch. H-3). The following information is provided to our customers for their training and safety programs.



SIGNAL WORD: Danger

PRECAUTIONARY STATEMENTS:

Wear protective gloves/protective clothing/eye and face protection

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Dispose of contents/container in accordance with local/municipal/national regulations.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do not induce vomiting.

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### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

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<u>Chemical Identity</u>	<u>% Concentration</u>
Silicilic Acid, Sodium Salt (CAS 6834-92-0)	2-10
Dimethylbenzylammonium chloride mixture (CAS UNAVAILABLE)	2-15

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### 4 – FIRST-AID MEASURES

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do not induce vomiting.

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### 5 – FIRE-FIGHTING MEASURES

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FLASH POINT AND METHOD DEG.C: N/A

AUTO-IGNITION TEMPERATURE DEG.C: N/A

FLAMMABLE LIMITS (% IN AIR): N/A

FIRE & EXPLOSION HAZARDS: N/A

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Wear NOISH-approved self-contained breathing apparatus.

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### 6 – ACCIDENTAL RELEASE MEASURES

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SPILLS OR LEAKS: Wear necessary protective clothing. Area will be slippery until cleaned. Contain the spill. Recover with pump, neutralize and flush with water.

## 7 – HANDLING AND STORAGE

**STORAGE REQUIREMENTS:** Do not get in eyes. Store in a cool, dry and well-ventilated area. Keep containers tightly closed. Store away from incompatible materials and sunlight.

**HANDLING PROCEDURES:** Avoid breathing vapours and prolonged and repeated contact with the skin. Empty containers may contain product residues and should be commercially cleaned before reuse.

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**EYE PROTECTION:** Chemical resistant goggles.

**PROTECTIVE CLOTHING:** Wear normal work attire and rubber gloves.

**RESPIRATORY PROTECTION:** Not required under recommended use levels.

**VENTILATION:** Local ventilation.

**PROTECTIVE EQUIPMENT:** Maintain eyewash and safety shower nearby.

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid, yellow
ODOUR	Lemon scent
ODOUR THRESHOLD	-
PH OF 1% SOLUTION	10.0 – 10.6 (20°C)
MELTING POINT AND FREEZING POINT	-
INITIAL BOILING POINT AND BOILING RANGE	Approximately 100°C
FLASH POINT	-
EVAPORATION RATE (BUTYL ACETATE =1)	N/A
FLAMMABILITY	N/A
UPPER AND LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not determined
VAPOUR PRESSURE	N/A
VAPOUR DENSITY	N/A
RELATIVE DENSITY (WATER = 1)	1.03 – 1.09 (at 20°C)
SOLUBILITY (IN WATER)	100%
PARTITION COEFFICIENT -- N-OCTANOL/WATER	-
AUTO-IGNITION TEMPERATURE	-
DECOMPOSITION TEMPERATURE	-
VISCOSITY	-

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## 10 – STABILITY AND REACTIVITY

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STABILITY: Stable

INCOMPATIBILITY: Strong acids

HAZARDOUS DECOMPOSITION: Combustion may produce toxic vapours

HAZARDOUS POLYMERIZATION: None

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## 11 – TOXICOLOGICAL INFORMATION

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<u>Chemical Identity</u>	<u>LD50/LC50/T.L.V</u>
Silicilic Acid, Sodium Salt (CAS 6834-92-0)	LD50=847mg/kg(ORAL-RAT)
Dimethylbenzylammonium chloride mixture (CAS UNAVAILABLE)	NOT ESTABLISHED

EYE CONTACT: Serious irritation or damage

SKIN CONTACT: Causes skin irritation

INHALATION: Excessive inhalation may cause irritations

INGESTION: May cause vomiting, nausea, diarrhea and other harmful effects if swallowed.

SENSITIZATION: Not available.

CHRONIC EFFECTS: Hazardous by WHMIS criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

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## 12 – ECOLOGICAL INFORMATION

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ECOTOXICITY: No data available

PERSISTENCE AND DEGRADABILITY: No data available

MOBILITY IN SOIL: No data available

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## 13 – DISPOSAL CONSIDERATIONS

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WASTE FROM RESIDUES / UNUSED PRODUCTS: Dispose of in accordance with all applicable regulations. Empty containers may retain some product residues. This material and its container must be disposed of as per all applicable regulations.

CONTAMINATED DRUMS OR PAILS: If emptied containers contain product residue, they should be disposed of as per all applicable regulations.

## 14 – TRANSPORT INFORMATION

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TDG CLASSIFICATION: Not regulated

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## 15 – REGULATORY INFORMATION

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WHMIS CLASSIFICATION: E, D-2B

WHMIS LABELING:



**NOTICE:**

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## 16 – OTHER INFORMATION

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PREPARED BY: Salem Daniel, M.Sc (514) 731-6836 **DUOQUAT**

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