



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: **Quat Plus TB: Detergent Disinfectant Pump Spray**

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: No information available
 Uses advised against: No information available

1.3 Details of the supplier of the safety data sheet

Company: Aviation Cleaning Supply, Inc.
 1 Warren St.
 Johnstown, New York 12095
 www.aviationcleaningsupply.com

Manufacturer: Rochester Midland Corporation
 155 Paragon Drive
 Rochester, NY 14624 USA

1.4 Emergency telephone number

24 Hour Emergency Phone: INFOTRAC: 1-800-535-5053
 OUTSIDE U.S.: +1-352-323-3500

1.5 Performance Certification:

Boeing Specification #D6-7127 Rev P
 AMS 1550B
 AMS 1452B

Section 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Corrosive to metals	Category 1

Label elements

Emergency Overview

DANGER

Hazard Statements

Causes severe skin burns and eye damage
 May be corrosive to metals



Appearance Clear, Colorless amber

Physical State Liquid

Odor Lemon



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting Absorb spillage to prevent material damage

Precautionary Statements - Storage

Store locked up
 Store in corrosive resistant container

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

No information available

Other Information

Harmful to aquatic life with long lasting effects

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

PRODUCT COMPOSITION CAS#	CAS No.	%	TRADE SECRET
Diethylene glycol butyl ether	112-34-5	8	*
Tetrasodium EDTA	64-02-8	1-5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Immediately call a POISON CONTROL or doctor/physician.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1 Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient

5.2 Special hazards arising from the substance or mixture

No information available.

Explosion data

Sensitivity to Mechanical Impact NONE.

Sensitivity to Static Discharge NONE.

5.3 Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Cool exposed containers with water spray.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Dike to contain. Pick up with absorbent material. Put in suitable container for disposal.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Alkaline liquid. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapors. Do not reuse container.

Read and follow label instructions. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep/store only in

original container. Keep from freezing. Do not contaminate water, food, or feed. Triple rinse container before disposal.

Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied.

Incompatible materials

Do not mix with acidic materials. Neutralizes active ingredients.



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure guidelines:

PRODUCT COMPOSITION CAS#	ACGIH TVL	OSHA PEL	NIOSH IDLH
Diethylene glycol butyl ether 112-34-5	TWA: 10 ppm inhalable fraction and vapor	NA	-

8.2 Exposure controls

Appropriate engineering controls

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Showers. Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses are recommended to minimize eye contact.

Skin & body protection

Wear protective gloves and protective clothing.

General hygiene considerations

Chemical resistant gloves are recommended to minimize skin contact. Appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

Respiratory protection

None normally required

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid	Odor:	Lemon
Appearance:	Clear, Colorless amber	Odor Threshold:	No information available
Color:	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks / Methods</u>
pH:	12.5	
Melting point/freezing point:	No information available	
Boiling point/ boiling range:	100 °C (212 °F)	
Flash point:	-	None to Boiling
Evaporation rate:	No information available	
Flammability (solid, gas):	No information available	
Flammability limit in air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure:	No information available	
Vapor density:	No information available	



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

Specific gravity:	No information available
Water solubility:	No information available
Solubility in other solvents:	No information available
Partition coefficient:	No information available
Auto ignition temperature:	No information available
Decomposition temperature:	No information available
Kinematic viscosity:	No information available
Dynamic viscosity:	No information available
Explosive properties:	No information available
Oxidizing properties:	No information available

9.2 Other Information

Softening point:	No information available
VOC (EPA METH.24) (G/L):	7.78-8.28
Density:	No information available
Bulk density:	No information available

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reaction

None under normal processing.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

Section 10: STABILITY AND REACTIVITY (continued)

10.5 Incompatible materials

Do not mix with acidic materials. Neutralizes active ingredients.

10.6 Hazardous decomposition products

If evaporated to dryness, as in a fire, material may burn, releasing: Soot. Smoke. Carbon Monoxide. Sulfur compounds.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Product Information:	Causes sever skin burns and eye damage.
Inhalation:	Causes burns.
Eye Contact:	Corrosive to the eyes and may cause sever damage including blindness.
Skin Contact:	Causes burns.



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

Ingestion: Causes burns.

PRODUCT COMPOSITION CAS#	Oral LC50	Dermal LD50	Inhalation LC50
Diethylene glycol butyl ether	= 3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Tetrasodium EDTA 64-20-8	= 1658 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms: No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available
Germ cell mutagenicity No information available
Carcinogenicity No information available
Reproductive Toxicity No information available
STOT – Single exposure No information available
STOT – Repeated exposure No information available
Aspiration hazard No information available

Numerical measures of toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 30038 mg/kg
 ATEmix (dermal) 33750 mg/kg

Section 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

0.93% of the mixture consists of components(s) of unknown hazards to the aquatic environment

PRODUCE COMPOSITION CAS#	Algae/aquatic plants	Fish	Crustacea
Diethylene glycol butyl ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	100: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	-

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Other adverse effects

No information available



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

Section 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment method

Disposal of wastes Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated packaging Do not reuse container.

Section 14: TRANSPORTATION INFORMATION

DEPT. of Transportation

Proper shipping name: Not regulated by DOT

Section 15: REGULATORY INFORMATION

15.1 International Inventories

TSCA:	Complies
DSL/NDL:	Complies
EINECS/ELINCS:	Does not comply
ENCS:	Does not comply
IECSC:	Complies
KECL:	Does not comply
PICCS:	Complies
AICS:	Complies

15.2 Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Section 15: REGULATORY INFORMATION (continued)

15.3 US Federal Regulations

SARA 313 Components

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

ACUTE HEALTH HAZARD	YES
CHRONIC HEALTH HAZARD	NO
FIRE HAZARD	NO
Sudden release of pressure hazard	NO



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

REACTIVE HAZARD

YES

CWA (Clean Water Act):

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

15.3 U.S. State Regulations

California Proposition 65 Components:

This product does not contain any Proposition 65 chemicals

15.4 U.S. State Right-to-Know Regulations

PRODUCE COMPOSITION CAS#	NJRTK:	MARTK:	PARTK:
Diethylene glycol butyl ether 112-34-5			Listed

15.5 U.S. EPA Label Information

EPA Pesticide Registration Number: 1839-83-527

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

CAUTION
 Causes moderate eye irritation
 This pesticide is toxic to fish.

Section 16: OTHER INFORMATION

NFPA

Health Hazards 2
Flammability 0
Instability 0
Physical and chemical properties - ALKALI

HMIS

Health Hazards 2
Flammability 0
Physical Hazards 0
Personal Protection B



SAFETY DATA SHEET
Detergent Disinfectant Pump Spray– Product # Quat Plus TB

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Preparation Information:

Aviation Cleaning Supply
1 Warren St.
Johnstown, New York 12095

Revision Date: 01/15/2018

-END OF SDS-