

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

Eddystone Industrial Park
2000 Industrial Highway
Eddystone, PA 19022-1513

Product: **SANI-QUAT 20**

Daytime Telephone: (610) 876-9906
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: Rev. 4.1 Date: 09/96
Replaces - Rev. 4.0 08/96
Reason: Inf. Update - Section 10

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name:.....	SANI-QUAT 20	HMIS	
Chemical Name/Synonym:.....	PROPRIETARY BLEND	<u>Hazard Rating:</u>	<u>Legend:</u>
Chemical Family:.....	QUATERNARY AMMONIUM CHLORIDES	Health:.....	2 0 - Least
Formula:.....	PROPRIETARY	Fire:.....	0 1 - Slight
Product Code:.....	F2021	Reactivity:.....	0 2 - Moderate
			3 - High
			4 - Extreme

Product Description: QUATERNARY AMMONIUM SANITIZER, ALGAECIDE, BIOCIDES, AND DISINFECTANT.

-- SECTION 02 - PHYSICAL DATA --

Boiling Point:.....	> 212°F.	Solubility in Water:.....	Infinite
Vapor Pressure:.....	< N/D, N/A	Specific Gravity:.....	0.994 (H ₂ O=1)
Vapor Density:.....	> 1 (AIR=1), value-estimated	% Volatile by Volume:.....	Approx. 80%
Appearance:.....	Water-white liquid	Odor:.....	Bland
pH:.....	7.2 ± 0.1, as received	pH solutions:.....	Approx. 7.2, varies with water

-- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
* ethyl alcohol, denatured	64-17-5	0.6%	1000 ppm 1880 mg/m ³	1000 ppm 1880 mg/m ³
n-alkyl dimethyl benzyl ammonium chlorides	68391-01-5	10-20	Not Listed	Not Listed
n-alkyl dimethyl ethylbenzyl ammonium chlorides	68956-79-6	10-20	Not Listed	Not Listed
Inert and/or non-hazardous components	-----	60-80	-----	-----

* Component hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200) or one or more state Right-To-Know lists.

-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --

Flash Point:..... >170°F. (Pensky-Martens Closed Cup).
Extinguishing Media:..... Small Fire: CO₂, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.
Special Fire Fighting Procedures:..... Use self-contained breathing apparatus; water may be used to cool adjacent containers.

-- SECTION 05 - REACTIVITY DATA --

Stability:..... Stable.
Incompatibility:..... Strong oxidizers.
Hazardous Decomposition Products:..... Nitrous oxides and ammoniacal vapors.
Hazardous Polymerization:..... Will not occur.

-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.

Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container. Incineration is preferred method of disposal. Material collected with absorbent may be disposed in a permitted landfill in accordance with federal, state, and local regulations. Empty container may retain vapor or product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

-- SECTION 07 - HEALTH HAZARD DATA --

EYE CONTACT: May cause irritation. Severe irritation or chemical burn may occur if not irrigated immediately.
SKIN CONTACT: Prolonged contact may cause dryness and dry skin irritation.
INHALATION: Mist may irritate nasal passages.
INGESTION: Not determined.
EFFECTS OF OVEREXPOSURE: None currently known. Chronic effects and medical conditions aggravated by overexposure have not been established. Unnecessary exposure to this or any chemical should be avoided. This product is *not* considered a carcinogen by OSHA, NTP, or IARC.

-- SECTION 08 - FIRST AID --

EYES: Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.
SKIN: Flush with water; wash with soap and water after handling.
INHALATION: Remove to fresh air.
INGESTION: DO NOT INDUCE VOMITING - Seek medical attention. Never give anything by mouth to an unconscious person.

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION: None normally required; product normally does not produce vapors or mist.
RESPIRATORY PROTECTION: None normally required; NIOSH approved respirator for mist conditions.
PROTECTIVE CLOTHING: Chemical resistant gloves when mixing or handling.
EYE PROTECTION: Tight fitting or chemical workers goggles if splashing is anticipated.

-- SECTION 10 - REGULATORY AND ADDITIONAL INFORMATION --

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers. Empty Containers: Do not reuse empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drums as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations forbid transportation of partially filled and unclosed containers.

D.O.T.: Shipping Information: Sanitizing Compound, Unregulated (National Motor Freight Classification, 100-V Book Item # 48580, Sub. 3)

TSCA - The ingredients in this material are listed on the TSCA Chemical Substance Inventory.

SARA Title III Information (for component ingredients): A) Sections 311/312 - Not Listed; B) Section 313 - Not Listed; C) Section 302 - Not Listed.

CERCLA - Component ingredients not listed.

Sources: OSHA, DOT, JJ Keller, *Chemical Regulatory Cross Reference*, Stepan Co.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA = Time Weighted Average; STEEL Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA Toxic Substance Control Act; SARA = Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

The information herein is given in good faith, but no warranty, express or implied, is made.