



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2340	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	TOTAL CLEAN	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Disinfectant, Virucide, Antibacterial Cleaner	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

PHYSICAL HAZARDS:

Not classified.

HEALTH HAZARDS:

Acute toxicity, oral – Category 4

Acute toxicity, inhalation – Category 2

Skin corrosion/irritation - Category 1

Serious eye damage/eye irritation - Category 1

ENVIRONMENTAL HAZARDS:

Hazardous to the aquatic environment, acute hazard – Category 1

Hazardous to the aquatic environment, long-term hazard – Category 2

**SIGNAL
WORD:**
DANGER

SYMBOL:



OSHA DEFINED HAZARDS:

Not classified.

HAZARD STATEMENTS:

Harmful if swallowed. Fatal if inhaled. Causes severe skin burns and eye damage. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

PREVENTION: Do not breathe mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection.

RESPONSE: Collect spillage. If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. 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/doctor. Specific treatment is urgent (see this label). Wash contaminated clothing before reuse.

STORAGE: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulated.

HAZARDS NOT OTHERWISE SPECIFIED:

None known.

SUPPLEMENTAL INFORMATION:

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS Number	CONCENTRATION % by WEIGHT
Alkyl dimethylbenzyl ammonium chloride (C12-16)	68424-85-1	3 - < 5
Octyl decyl dimethyl ammonium chloride	32426-11-2	3 - < 5
Didecyl dimethyl ammonium chloride	7173-51-5	1 - < 3
Dioctyldimethylammonium chloride	5538-94-3	1 - < 3
Other components below reportable levels		80 - < 90

4. First Aid Measures

INHALATION:

Move person to fresh air. Call a physician if symptoms develop or persist.

SKIN CONTACT:

Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

EYE CONTACT :

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

INGESTION:

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

GENERAL INFORMATION:

Take off immediately all contaminated clothing. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this will spread the fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

During fire, gases hazardous to health may be formed.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS:

Move containers from fire area if you can do so without risk.

SPECIFIC METHODS:

Use standard firefighting procedures and consider the hazards of other involved materials.

GENERAL FIRE HAZARDS:

No unusual fire or explosion hazards noted.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store locked up. Store in original tightly closed container.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<u>Components</u>	<u>Type</u>	<u>Value</u>
Ethanol (CAS 64-17-5)	PEL	1900 mg/m ³
		1000 ppm

US. ACGIH Threshold Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>
Ethanol (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>Type</u>	<u>Value</u>
Ethanol (CAS 64-17-5)	TWA	1900 mg/m ³
		1000 ppm

BIOLOGICAL LIMITE VALUES:

No biological exposure limits noted for the ingredient(s).

APPROPRIATE ENGINEERING CONTROLS:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear eye/face protection. Wear safety glasses with side shields (or goggles) and a face shield.

SKIN PROTECTION:**HAND PROTECTION:** Wear appropriate chemical resistant gloves.**OTHER:** Wear appropriate chemical resistant clothing.**RESPIRATORY PROTECTION:** In case of insufficient ventilation, wear suitable respiratory equipment.**THERMAL HAZARDS:** Wear appropriate thermal protective clothing, when necessary.**GENERAL HYGIENE CONSIDERATIONS:**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance:		Upper/lower flammability or explosive limits	
Physical State:	Liquid.	Flammability limit – lower (%)	Not available.
Form:	Liquid.	Flammability limit – upper (%)	Not available.
Color:	Not available.	Explosive limit - lower (%)	Not available.
Odor:	Not available.	Explosive limit - upper (%)	Not available.
Odor Threshold:	Not available.	Vapor Pressure:	Not available.
pH:	6.1 as is	Vapor Density:	Not available.
Melting Point/Freezing Point:	Not available.	Relative Density:	Not available.
Initial Boiling Point and Boiling Range:	Not available.	Solubility (water):	Not available.
Flash Point:	> 201.0 °F (> 93.9 °C)	Auto-Ignition Temperature:	Not available.
Evaporation Rate:	Not available.	Decomposition Temperature:	Not available.
Flammability (solid, gas):	Not applicable.	Viscosity:	Not available.
		Other information:	
		Density:	8.35 lb/gal

10. Stability & Reactivity Information**REACTIVITY:**

The product is stable and non-reactive under normal conditions of use, storage and transport.

CHEMICAL STABILITY:

Material is stable under normal conditions.

POSSIBLY HAZARDOUS REACTIONS:

No dangerous reaction known under conditions of normal use.

CONDITIONS TO AVOID:

Contact with incompatible materials.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents. Anionic surfactants

HAZARDOUS DECOMPOSITION PRODUCTS:

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

11. Toxicological Information**INFORMATION ON LIKELY ROUTES OF EXPOSURE**

INHALATION: Fatal if inhaled.

SKIN CONTACT: Causes severe skin burns.

EYE CONTACT: Causes serious eye damage.

INGESTION: Causes digestive tract burns. Harmful if swallowed.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY: Fatal if inhaled. Harmful if swallowed.

SKIN CORROSION/IRRITATION: Causes severe skin burns and eye damage.

SERIOUS EYE DAMAGE/EYE IRRITATION: Causes serious eye damage.

RESPIRATORY OR SKIN SENSITIZATION:

RESPIRATORY SENSITIZATION: Not available.

SKIN SENSITIZATION: This product is not expected to cause skin sensitization.

GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

REPRODUCTIVE TOXICITY: This product is not expected to cause reproductive or developmental effects.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE: Based on available data, the classification criteria are not met.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE: Not applicable.

ASPIRATION HAZARD: Not likely, due to the form of the product.

12. Ecological Information

ECOTOXICITY:

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

PERSISTENCE AND DEGRADABILITY:

No data is available on the degradability of this product.

BIOACCUMULATIVE POTENTIAL:

No data available.

Partition coefficient n-octanol / water (log Kow)

Ethanol -0.31

MOBILITY IN SOIL:

No data available.

OTHER ADVERSE EFFECTS:

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Consideration

DISPOSAL INSTRUCTIONS:

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(For containers 5 gallons or less): Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after flow begins to drip. Fill container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

(For containers greater than 5 gallons):

Triple rinse container promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tightenclosures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

LOCAL DISPOSAL REGULATIONS: Dispose in accordance with all applicable regulations.

HAZARDOUS WASTE CODE: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

WASTE FROM RESIDUES/UNUSED PRODUCTS: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING: Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transportation Information

GENERAL: [For information purposes only: Note - Shipper/offoror is responsible for confirming appropriate proper shipping name, hazard Classification(s), packing group, marking, labeling, placarding, packaging, and other regulatory requirements applicable to packages offered for transport. These requirements may vary depending on the quantity of material, packaging, mode of transportation, and carrier.]

DOT

UN number: UN1760

UN proper shipping name: CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE)

Transport hazard class(es):

Class: 8

Subsidiary risk: -

Packing group: II

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number: UN1760

UN proper shipping name: CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE)

Transport hazard class(es)

Class: 8

Subsidiary risk: -

Packing group: II

Environmental hazards: Yes

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number: UN1760

UN proper shipping name: CORROSIVE LIQUID, N.O.S. (QUATERNARY AMMONIUM CHLORIDE), MARINE POLLUTANT

Transport hazard class(es)

Class: 8

Subsidiary risk: -

Packing group: II

Environmental hazards:

Marine pollutant: Yes

EmS: Not available.

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to: Not available.

Annex II of MARPOL 73/78 and the IBC Code

DOT



IATA; IMDG



Marine pollutant



15. Regulatory Information

US FEDERAL REGULATIONS: This product is a U.S. EPA registered pesticide.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Classified hazard categories

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Not regulated.

OTHER FEDERAL REGULATIONS:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Ethanol (CAS 64-17-5)

Low priority

FIFRA: 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:

SIGNAL WORD: DANGER

HAZARD STATEMENT: Corrosive.

Causes irreversible eye damage and skin burns.

May be fatal if absorbed through skin.

Harmful if swallowed.

This product is toxic to fish.

US STATE REGULATIONS: [For informational purposes only:

Subregistrants shall use a compliant California Proposition 65 safe harbor warning. A compliant safe harbor warning is provided below.

Subregistrant may elect not to use a safe harbor warning if it conducts an assessment which determines such ingredient falls below the threshold action level requiring warning under California Proposition 65. Subregistrant does so at its own risk and liability, and hereby agrees to indemnify and hold Stepan harmless for any claim, cause of action, or damages arising from such decision not to warn.

Note – the Proposition 65 precautionary word "WARNING" is inconsistent with the "DANGER" signal word required on the FIFRA label. "ATTENTION" or "NOTICE" are compliant with Proposition 65 and are acceptable in place of "WARNING" if EPA has approved that language on the product master label.]

CALIFORNIA PROPOSITION 65:



This product can expose you to chemicals including Acetaldehyde, which are known to the State of California to cause cancer, and Ethylene Glycol, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to

www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

1,4-dioxane (CAS 123-91-1)

Listed: January 1, 1988

Acetaldehyde (CAS 75-07-0)

Listed: April 1, 1988

California Proposition 65 - CRT: Listed date/Developmental toxin

Ethylene Glycol (CAS 107-21-1)

Listed: June 19, 2015

Methanol (CAS 67-56-1)

Listed: March 16, 2012

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory (NZIoC)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other Information

DISCLAIMER:

Terms and Conditions. This SDS is designed only as guidance for the products to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose; or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents,

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