SAFETY DATA SHEETS

This SDS packet was issued with item:

078034991

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078587167

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078328464 078826727

1. **Identification of the substance / preparation and of the company / undertakings**

Product Details:
Trade Name: Ultronics® Ultracare Disinfectant Cleaner/Deodorizer Concentrate

Manufacturer:
Ultronics
235 Ascot Parkway
Cuyahoga Falls, OH 44223
Phone: 800-262-6262
Fax: 330-916-7080

Emergency Number:
USA & Canada: 1 800 535 5053

2. **Composition / Information on Ingredients**

Chemical Characterization : Quaternary ammonium disinfectant/detergent

Hazardous Components	Wt %	Index, R/S Phrases
Ethyl Alcohol	< 1%	F, R11, S7-16
Dual Quaternary Ammounium Comp. n-alkyl (60% C14, 30% C16, 5% C12,5% C18) dimethyl benzyl ammonium chloride n-alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	1 –5 %	R21,22,34, S 26,36,37,39

3. **Hazard Identification**

Hazard Designation: Caution, may cause eye and skin damage.
Information pertaining to particular dangers for man and environment: Causes severe eye and skin damage. Large amounts or undiluted material may interfere with secondary wastewater treatment facilities.
Classification is in line with BC directive 1999/45/EC: Not Applicable (N/A)

4. **First-Aid Measures**

After Inhalation: Get to fresh air, if irritation persists, consult a physician
After Skin Contact: Wash thoroughly with water for 15 minutes. If irritation persists, consult a physician
After Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician
After Swallowing: Do not induce vomiting. Drink water to dilute and contact a physician.

5. **Fire-Fighting Measures**

Flammability: No **Flash Point: > 93 °C (> 200 °F)** **LEL: Not Established** **UEL: Not Established**
Extinguishing Media: Water, CO_2, dry chemical or foam
Unsuitable Extinguishing Media: None Known
Protective Equipment: Wear NIOSH approved self-contained breathing respirator in positive pressure mode and chemical protective clothing.

6. **Accidental Release Measures**

Personal Precautions: Avoid eye contact by wearing safety goggles, avoid skin contact by wearing rubber gloves.
Environmental Precautions: Do not contaminate food or feed with this product. Keep container closed and upright when not in use.
Methods of Cleaning Up: Use absorbent material such as sand or clay, and place in drums for disposal. Do not allow large amounts of undiluted material into sewer system because of its aquatic toxicity and potential damage to sewer treatment facilities.

7. **Handling and Storage**

Precautions for Safe Handling: Always wear gloves and eye protection. Local exhaust adequate; mechanical ventilation helpful. Keep container closed when not in use.
Storage: Keep out of reach of children.. Keep container closed.

8. **Exposure Controls/Personal Protection**

Components with recommended limits for the work place

CAS No.	Description	Wt%	Type / Value	
64-17-5	Ethyl Alcohol	< 1 %	OSHA PEL	1000 ppm
	Dual Quaternary Ammounium Comp.	1 –5 %	N.D.	

Engineering Controls: Local Exhaust Adequate; mechanical ventilation helpful.
Work/Hygenic Protection: Wash hands and equipment after use.
Hand/Skin Protection: Wear Protective Gloves
Respiratory Protection: None Needed
Eye Protection: Wear Safety Goggles

Obtained by Global Safety Management, Inc. (www.globalsafetynet.com)

9. **Physical And Chemical Properties**

Appearance: Purple Liquid	Odor: Slightly Pungent	Solubility : Infinitely soluble in water
Boiling Point : 100 °C (212 °F)	Flash Point: > 93 °C (> 200 °F)	Method: Setaflash
Flammability: No	Autoflammability: No	Density: 1.04 g/cc (25°C)
Vapor Pressure: 22.3 mmHg (@ 25 C)	Explosive Properties: N.K.	Explosive Limits in Air: N.K.
pH: Conc, 11 - 12	Viscosity: N.D.	Method: N.A.

10. **Stability and Reactivity**

Chemical Stability: Stable
Conditions to avoid: None Known
Materials to avoid: None Known
Hazardous Decomposition Products: None Known

11. **Toxicological Information**

Acute Toxicity: N.A.
Primary Effects to Skin: Slight irritant
Primary Effects to Eyes: Can produce severe and irreversible damage in concentrate form. Non-irritating when at use dilution.
Primary Effects to Respiratory System: N.K.
Sensitization: Not a skin sensitizer when tested by the Buehler method on Guinea Pigs
Additional Toxicological Info: LD50 (oral) 5g/kg – Albino Rats, Dermal LD50 2.0 g/kg Rabbit

12. **Ecological Information**

General Information : N.D.
Classification of Water endangerment : N.K.

13. **Disposal Considerations**

Product: Pesticide wastes are acutely hazardous. Not considered a RCRA hazardous waste as identified in Fed. Reg. 40CFR261. If this product cannot be used as directed by the label, contact the local Environmental Control Agency or Agent.

14. **Transportation Information**

DOT Shipping Name:	DOT Hazard Class:	UN-No.
(Disinfectant, Deodorant n.o.s)	Not Regulated	N.A.
Sea Transport IMDG/GGV Sea		
Class: N.A.	UN. No.: N.A.	EmS-No: N.A. MFGA-No: N.A.
Air Transport ICAO-Ti and IATA-DGR		
Class: N.A.	UN. No.: N.A.	

15. **Regulatory Information**

TSCA Inventory Status: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.
SARA 311/312 Hazard Categories: None
SARA 302 Extremely Hazardous Substances: None
SARA 313 Toxic Chemicals

Chemical Name	CAS-No.	Weight %
Ethyl Alcohol	64-17-5	< 1 %

Classification According to EEC Guidelines:
Classification According to VBF:
Canadian Regulations require the inclusion of the following statements under "Regulatory Information";
"This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations."

16. **Other Information**

Revision Summary : Changed to Company Format and Updated Address 10/22/03. 3/23/07 – Biannual Review. 3/22/10 Review

The information and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. Ultornics Inc., however, makes no representations as to the completeness of security of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability of their purposes prior to use. In no event will Ultronics Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon information.

Obtained by Global Safety Management, Inc. (www.globalsafetynet.com)

Safety Data Sheet

ANSI Z400.1/Z129.1-2010

Dentronix® Multipurpose Ultrasonic Cleaning Solution Super Concentrate

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Dentronix® Multipurpose Ultrasonic Cleaning Solution Super Concentrate

Product Code(s): DMP-USP, DMP1

Relevant identified uses of the mixture and uses advised against: intended for use with an ultrasonic cleaner for cleaning medical instruments. Uses advised against: none noted.

Synonyms: MP-US

Manufactured for:
Dentronix, Inc.
235 Ascot Parkway
Cuyahoga Falls, OH 44223 / USA
Phone: 1 800 523 5944
Fax: 1 330 916 7333
USA: sales@dentronix.com
Int'l.: info@dentronix.com

Authorized EC Representative EC REP
Coltène/Whaledent GmbH + Co. KG
Raiffeisenstraße 30
89129 Langenau
Phone: 49 7345 805 0
Fax: 49 7345 805 201
info.de@coltene.com

Emergency Contact Number:
USA & Canada: 1 800 535 5053

Copies of this SDS can be found at www.dentronix.com

Section 2: HAZARDS IDENTIFICATION

Classification: **Reproductive Toxicant / Category 1B, Serious Eye Irritant / Category 2**

Appearance: Transparent, Green, with amine/ alcohol odor
Contains: Disodium Tetraborate Pentahydrate, Alkylpolyglycosides,
Route(s) of Exposure: Ingestion, Dermal (skin/eyes), Inhalation (vapors)

Labeling Elements:

Hazard Category	Signal Word:	Hazard Statements:
Reproductive Toxicant / Category 1B	DANGER	H360FD: May damage fertility. May damage the unborn child.
Serious Eye Irritant / Category 2		H319: Causes serious eye irritation

Prevention:	Response:	Storage:	Disposal:
P201 P202 P281 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. P264 + P280 Wash hands thoroughly after handling. Wear eye protection.	P308 + P313 IF exposed or concerned: Get medical advice/attention. P305 + P351 + P338 + P337 + P313 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.	P405 Store locked up.	P501 Dispose of contents/container in accordance with federal, state and local regulations

Classification in Accordance with 67/548/EEC and 1999/45/EC: T – Toxic, R60-61-36, S53-26-35-45-36/37 (see section 15 for full text).

PBT/vPvB Assessment: This product does not contain persistent, bioaccumulative and toxic chemicals (PBT's) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB's).

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS	EC number	Percent (w/w%)
Disodium Tetraborate Pentahydrate (Borax Pentahydrate)	12179-04-3	215-540-4	7.5
Alkylpolyglycosides	68515-73-1	500-220-1	10-15

Section 4: FIRST AID MEASURES

Inhalation: Move victim to fresh air. Call 911 or emergency medical service. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

Eyes: Irrigate exposed eyes with copious amounts of room temperature water for at least 15 minutes. If irritation, pain, swelling, lacrimation, or photophobia persist, the patient should be seen in a health care facility.

Skin: Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician may need to examine the area if irritation or pain persists.

Ingestion: May cause slight irritation to the digestive tract. Contact a physician if ill effects persist.

Section 5: FIRE FIGHTING MEASURES

Extinguishing Media: if material involved in fire: extinguish fire using agent suitable for type of surrounding fire. Cool all affected containers with flooding quantities of water. Apply water from as far a distance as possible.

Specific Hazards Arising from the Chemical: None known.

Protective Equipment and Precautions for Firefighters: standard protection for all firefighters stated in this subsection of the SDS text should include self-contained breathing apparatus (SCBA) and full firefighting turn-out gear (Bunker gear).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: use personal protection recommended in Section 8.

Methods for Containment and Clean-up: Ventilate contaminated area, remove all sources of ignition, stop or reduce discharge if it can be done safely.

Other Information: none noted

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: use with adequate ventilation, do not use near ignition sources.

Conditions for Safe Storage, Including Incompatibilities: store in a cool, dry location.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits:

Component:	Concentration:	NIOSH REL:	OSHA PEL:	IDLH:	AIHA WEEL	STEL's	Notation
Disodium Tetraborate Pentahydrate	7.5 %w/w	TWA 5 mg/m^3	none	none	none	none	none

Appropriate Engineering Controls: sufficient exhaust & general ventilation should be provided to keep vapor concentration below recommended levels.

Personal Protective Equipment (Eyes and Face): wear safety goggles or face shield.

Personal Protective Equipment (Skin): wear protective gloves

Personal Protective Equipment (Respiratory): none required for well-ventilated areas.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent, Green Liquid	**Viscosity:**	60 cps
Odor:	Floral / Soapy	(Brookfield LVT#1, 30 RPM)	
Odor Threshold:	No data	**VOC:**	No data
pH:	7 - 9	**Boiling Point:**	100°C (212°F)
Melting Point:	Not applicable	**Solubility (H_2O):**	No data
Specific Gravity:	1.08 g/cc (25°C)	**Evaporation Rate:**	No data
Octanol / H_2O Coefficient (log k_{ow}):	No data	**Decomposition Temp:**	No data
Molecular Weight:	No data	**LFL:**	No data
Auto Ignition:	No data	**UFL:**	No data
Flash Point:	>100°C (> 212°F)	**Vapor Pressure:**	No data
Vapor Density:	No data	**Flammability Class:**	No data

Section 10: STABILITY AND REACTIVITY

Chemical Stability: Chemically Stable

Possibility of Hazardous Reactions: This product is not known to be susceptible to chemical reactions that can result in undesirable effect(s).

Conditions to Avoid: Freezing may impact the effectivity of the solution.

Incompatibility: Chemically-active metals such as potassium, beryllium, powdered aluminum, zinc, calcium, magnesium & sodium acids should be avoided.

Hazardous Decomposition Products: No data.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Ingestion, Dermal (Skin/Eyes), Inhalation (Vapors)

Acute Effects:

Inhalation: All ingredients present in concentrations greater than 1 %w/w have an LC50 greater than 20 mg/L. Acute effects from vapors are not expected to be hazardous.

Eye Contact: Concentration of ingredients classified as Eye Category 1 or 2 has triggered classification of the mixtures as hazardous to the eye. Symptoms of exposure are irritation, pain, swelling, lacrimation, or photophobia.

Skin: Contact with this material cause slight irritation.

Ingestion: All relevant ingredients present in quantities greater than 1 %w/w have an oral / dermal LD50 greater than 2000 mg/kg body weight. Acute effects from ingestion are not likely, Observe patients with ingestion carefully for the possible development of esophageal or gastrointestinal tract irritation or burns. If signs or symptoms of esophageal irritation or burns are present, consult a physician.

Sensitization: May cause skin sensitization.

Ingestion: May cause irritation to the digestive tract

Carcinogenicity: Does not contain any substances classified as carcinogens by NTP, ACGIH, IARC or OSHA

Mutagenicity: Not mutagenic

Reproductive Toxicity: This product contains 7.5%w/w Disodium Tetraborate Pentahydrate suspended in solution: There have been limited animal studies which suggest decreased ovulation, fetotoxicity and developmental defects may occur with very high exposure levels. Maternal toxicity was present in some studies.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: LC50 : 10-100 mg/l (Semistatic) fish

Persistence / Degradability This material degrades rapidly in the environment

Bioaccumulative Potential: will not bioconcentrate in fish and aquatic organisms nor will it adsorb to sediment and suspended organic matter.

Mobility in Soil: moderate to high mobility in soil

Other Adverse Effects: none known.

This product does not contain persistent, bioaccumulative and toxic chemicals (PBT's) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB's).

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with federal, state and local regulations.

Additional Disposal Considerations: Dispose if shelf-life has been exceeded.

Section 14: TRANSPORT INFORMATION

Agency	Proper Shipping name	Technical Shipping Name	UN-No.	Hazard Class	Label
DOT	NOT REGULATED FOR TRANSPORTATION				
Sea Transport IMDG/GGV Sea					
Air Transport ICAO-Ti and IATA-DGR					

Section 15: REGULATORY INFORMATION

SARA Sections 302 and 304: This product does not contain Extremely Hazardous Substances (EHS) and is not subject to emergency planning requirements.

CERCLA: This product does not contain CERCLA Hazardous Substances and is not subject to reporting requirements.

SARA Section 313: Substances within this product are not required to be reported in accordance with SARA 313 or the substances within are exempt by rules for "de minimis concentrations of a toxic chemical in a mixture" §372.38(a).

International Inventories:

US (TSCA): The components within this product are included on the TSCA Inventory of Chemical Substances
Canada (DSL): All ingredients are on the inventory or exempt from listing.
European Union (EINECS): All ingredients conform to the EU requirements.
Japan (ENCS): All other ingredients are on the inventory or exempt from listing.
Philippines (PICCS): All other ingredients are on the inventory or exempt from listing.
South Korea (KECL): All ingredients are on the Inventory or exempt from listing.
Australia (AICS): All ingredients are on the Inventory or exempt from listing.
New Zealand (NZIoC): All ingredients are on the Inventory or exempt from listing.
China (IECSC): All ingredients are on the Inventory or exempt from listing.

California Proposition 65: There are no chemicals within this mixture on the Proposition 65 List.

Canadian Regulations require the inclusion of the following statements under "Regulatory Information": This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Classification in Accordance with 67/548/EEC and 1999/45/EC Full Text: T – Toxic, R60 May impair fertility. R61 May cause harm to the unborn child. R36 Irritating to eyes. S53 Avoid exposure - obtain special instructions before use. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S35 This material and its container must be disposed of in a safe way. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S36/37 Wear suitable protective clothing and gloves.

Section 16: OTHER INFORMATION

NFPA Ratings:

Health: 1
Fire: 1
Reactivity: 0

HMIS Ratings:

Health: 1
Fire: 1
Reactivity: 0

(NFPA and HMIS Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe)

REVISION HISTORY

REVISION	DATE	ECN#	CHG BY	APPR BY	DESC. OF CHANGE
A	10/03/14	14425	TG	SBL	Updated MSDS to GHS/SDS Format. P/N 48231-01 Revision A was 48028 revision G.
B	10/28/14	14488	SBL	PS	Modified address in Section 1.

The information and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. Dentronix, Inc., however, makes no representations as to the completeness of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability of their purposes prior to use. In no event will Dentronix, Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon information.

Safety Data Sheet

ANSI Z400.1/Z129.1-2010

Ultronics® Ultracare Disinfectant Cleaner / Deodorizer Concentrate

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ultronics® Ultracare Disinfectant Cleaner / Deodorizer Concentrate

Product Code(s): 70055, 70512, 70555, 70016, 70552

Relevant identified uses of the mixture and uses advised against: Intended to be used for disinfecting instruments used in the hair and cosmetics industry. Uses advised against: None known.

Synonyms: UL55

Distributed by:
Dentronix Inc.
235 Ascot Parkway
Cuyahoga Falls, OH 44223
Phone: 1 800-262-6262
Fax: 1 330-916-7080
For information email sales@ultronicsusa.com

Emergency Contact Number:
USA & Canada: 1 800 535 5053

Copies of this SDS can be found
www.ultronicsusa.com

Section 2: HAZARDS IDENTIFICATION

Classifications: Skin Irritant Category 2, Eye Irritant Category 2, Aquatic Toxicity Category 3

Appearance: Purple liquid, characteristic odor
Contains: n-Alkyl dimethyl benzyl ammonium chloride (C12-C18), n-Alkyl dimethyl ethyl benzyl ammonium chloride (C12-C14)
Route(s) of Exposure: Dermal (Eye/Skin), Inhalation, Ingestion

This product is a U.S. EPA Registered pesticide, and is subject to specific labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. FIFRA labels approved by EPA pre-empt OSHA's label requirements.

GHS Labeling Elements (This label has been approved by the EPA and will not be modified):

Hazard Category	Signal Word:	Hazard Statements:
Skin Irritant Category 2	DANGER	H314: Causes severe skin burns and eye damage.
Eye irritant Category 2		H302: Harmful if swallowed.
Aquatic Toxicity Category 3		H401: Toxic to aquatic life.

Prevention:	Response:	Storage:	Disposal:
Wash hands thoroughly after handling. Wear eye protection.	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	Store locked up.	Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Other Hazards: Hazardous for the environment.

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS	Percent (w/w%)
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	68391-01-5	2.37
n-Alkyl dimethyl ethyl benzyl ammonium chloride (C12-C14)	68956-79-1	2.37

Section 4: FIRST AID MEASURES

Inhalation: Remove victim to fresh air and monitor. Seek medical advice if irritation persists.

Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

Skin: Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Section 5: FIRE FIGHTING MEASURES

Extinguishing Media: If material involved in fire: extinguish fire using agent suitable for type of surrounding fire. Cool all affected containers with flooding quantities of water. Apply water from as far a distance as possible.

Specific Hazards Arising from the Chemical: None.

Protective Equipment and Precautions for Firefighters: Standard protection for all firefighters stated in this subsection of the SDS text should include self-contained breathing apparatus (SCBA) and full firefighting turn-out gear (Bunker gear).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Use personal protection recommended in Section 8.

Methods for Containment and Clean-up:

Small Spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Large Spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

General Procedures: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walkthrough spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.

Other Information: None noted.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Store locked up. In addition, consider the following: store away from children, keep container closed. Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage, Including Incompatibilities: Store at ambient temperatures.

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits: None.

Appropriate Engineering Controls: Sufficient exhaust & general ventilation should be provided to keep vapor concentration below recommended levels.

Personal Protective Equipment (Eyes and Face): Wear safety goggles or face shield.

Personal Protective Equipment (Skin): Rubber or other chemical resistant gloves. Rubber boots if used on floors. Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

Personal Protective Equipment (Respiratory): Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple, liquid	Viscosity:	No data
Odor:	Mild	Odor Threshold:	No data
pH:	11.5-12.5	Boiling Point:	212° F; 100° C
Melting Point:	No data	Solubility (H_2O):	Soluble
Specific Gravity:	1.039 grams/ml.	Density:	8.66 lbs/gallon
Octanol / H_2O Coefficient:	No data	Evaporation Rate:	1
Molecular Weight:	No data	Decomposition Temp:	No data
Auto Ignition:	No data	LFL:	No data
Flash Point:	Not applicable	UFL:	No data
Vapor Density:	Approximately 1	Vapor Pressure:	20
VOC:	No data	Flammability Class:	No data

Section 10: STABILITY AND REACTIVITY

Reactivity: Reactive with oxidizing agents and acids.

Chemical Stability: Chemically stable.

Possibility of Hazardous Reactions: This product is not known to be susceptible to chemical reactions that can result in undesirable effect(s).

Conditions to Avoid: Oxidizing materials.

Incompatibility: Strong acids and oxidizers.

Hazardous Decomposition Products: Not established.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Dermal (Eye/Skin), Ingestion and Inhalation

Hazardous Components: n-Alkyl dimethyl benzyl ammonium chloride (C12-C18), n-Alkyl dimethyl ethyl benzyl ammonium chloride (C12-C14)

Toxicity: Dermal LD50: > 2000 mg/kg male and female rabbits. Oral LD50: > 1890 mg/kg Male and Female rats.

Substance	Oral LD50	Dermal LD 50
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	> 1890 mg/kg	> 2000 mg/kg
n-Alkyl dimethyl ethyl benzyl ammonium chloride (C12-C14)	> 500	> 2000

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

Inhalation: Will cause severe irritation, possible burns with pulmonary edema, which may lead to pneumonitis**.**

Skin: Contact with this material may cause severe irritation and corrosion of tissue.

Eye Contact: Can cause severe irritation, corrosion with possible corneal damage and blindness**.**

Ingestion: May cause irritation, corrosion/ulceration, nausea, and vomiting.

Sensitization: Not Available.

Carcinogenicity: Does not contain any substances classified as carcinogens by NTP, ACGIH, IARC or OSHA.

Mutagenicity: Not Available.

Reproductive Toxicity: Not Available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence / Degradability Not available.

Bioaccumulative Potential: Not Available.

Mobility in Soil: Moderate to high mobility in soil.

Other Adverse Effects: None known.

This product does not contain persistent, bioaccumulative and toxic chemicals (PBT's) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB's).

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with federal, state and local regulations.

Additional Disposal Considerations: Dispose if shelf-life has been exceeded.

Section 14: TRANSPORT INFORMATION

Not hazardous for transportation according to the following authorities: DOT (Department Of Transportation), Air (ICAO/IATA), Vessel (IMO/IMDG), Canada Transport Of Dangerous Goods.

Section 15: REGULATORY INFORMATION

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Regulated.

This product is a U.S. EPA Registered pesticide, and is subject to specific labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. FIFRA labels approved by EPA pre-empt OSHA's label requirements.

EPA Registration Number: 61178-1-63562 **EPA Establishment Number:** 061584-OH-001

SARA Sections 302 and 304: This product does not contain Extremely Hazardous Substances (EHS) and is not subject to emergency planning requirements.

SARA Section 311/312 Hazard Categories: Health – Acute.

SARA Section 313: Substances within this product are not required to be reported in accordance with SARA 313 or the substances within are exempt by rules for "de minimis concentrations of a toxic chemical in a mixture" §372.38(a).

CERCLA: This product does not contain CERCLA Hazardous Substances and is not subject to reporting requirements.

Obtained by Global Safety Management www.globalsafetynet.com (877) 683-7460

National and International Inventories:

US (TSCA): The components within this product are included on the TSCA Inventory of Chemical Substances.
Canada (DSL): All ingredients are on the inventory or exempt from listing.

California Proposition 65: There are no chemicals within this mixture on the Proposition 65 List.

Canadian Regulations require the inclusion of the following statements under "Regulatory Information": This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Section 16: OTHER INFORMATION

NFPA Ratings:

Health: 3
Fire: 0
Reactivity: 0

HMIS Ratings:

Health: 3
Fire: 0
Reactivity: 0

(NFPA and HMIS Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe)

REVISION HISTORY

REVISION	DATE	ECN#	CHG BY	APPR BY	DESC. OF CHANGE
A	10/03/14	14425	TG	SBL	Updated MSDS to GHS/SDS Format.48255 Revision A supersedes 48000 revision H.
B	10/28/14	14488	SBL	JD	Modified address in Section 1.

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