

SAFETY DATA SHEET

1. Identification

Product identifier	QT 3
Other means of identification	
SDS number	578N-103A
Product code	HIL00843
Product registration number	6836-349-1658
Recommended use	Disinfectant/Cleaner
Recommended restrictions	For Labeled Use Only
Manufacturer/Importer/Supplie	er/Distributor information
Manufacturer	
Company name	HILLYARD INDUSTRIES
Address	302 North Fourth St.
	St. Joseph, MO 64501
Contact person	Regulatory Affairs
Telephone number	(816) 233-1321 (Ext. 8285)
Fax	(816) 383-8485
E-mail	regulatoryaffairs@hillyard.com
Emergency telephone #	(800) 424-9300
	(Only in the event of chemical emergency involving a spill, leak, fire, exposure accident involving chemicals)

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 4
	Corrosive to metals	Category 1
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 1C
	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 1
OSHA defined hazards	Not classified.	

accident involving chemicals)

Label elements



Signal word Hazard statement

Flammable liquid and vapor. May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Very toxic to aquatic life with long lasting effects.

or

Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Keep only in original container. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. 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.
Response	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. 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. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish. Absorb spillage to prevent material damage.
Storage	Store in a well-ventilated place. Keep cool. Store locked up. Store in corrosive resistant container with a resistant inner liner.
Disposal	Buyer assumes all risk and liability associated with disposal of this product (original concentration or dilution) in violation of applicable law in compliance with applicable federal, state and local requirements. CONTAINER DISPOSAL: Triple rinse (or equivalent), then offer clean, dry container for recycling or reconditioning.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Alkyl dimethyl benzyl ammonium chloride (C12-16)		68424-85-1	8.9
Octyl decyl dimethyl ammonium chloride		32426-11-2	6.67
Didecyldimethylammonium chloride		7173-51-5	4
Dioctyl dimethyl ammonium chloride		5538-94-3	2.67
Ethanol		64-17-5	1 - < 3
Sodium Metasilicate Pentahydrate		10213-79-3	1 - < 3
Other components below reportable	levels		70 - < 80

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move 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. Thermal 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. 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. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. 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	Flammable liquid and vapor.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). 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. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. 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. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Do not contaminate water, food or feed by storage or disposal. Pesticide Storage: Open dumping is prohibited. Store in original container in areas inaccessible to children.
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8. Exposure controls/personal protection

Occupational exposure limits			
US. OSHA Table Z-1 Limits for A	ir Contaminants (29 CFR 1910.	1000)	
Components	Туре	Value	
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3 1000 ppm	

licable, use process enclosures ntain airborne levels below reco	used. Ventilation rates should be matched to conditions. If s, local exhaust ventilation, or other engineering controls to	
Type TWA biological exposure limits noted od general ventilation should be licable, use process enclosures ntain airborne levels below reco	1900 mg/m3 1000 ppm for the ingredient(s). used. Ventilation rates should be matched to conditions. If s, local exhaust ventilation, or other engineering controls to	
biological exposure limits noted od general ventilation should be licable, use process enclosures ntain airborne levels below reco	1000 ppm for the ingredient(s). used. Ventilation rates should be matched to conditions. If , local exhaust ventilation, or other engineering controls to	
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licable, use process enclosures ntain airborne levels below reco	s, local exhaust ventilation, or other engineering controls to	
	Good general ventilation 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.	
as personal protective equip	ment	
emical safety goggles when worl	king with concentrate.	
ar appropriate chemical resistan	nt gloves.	
Impervious boots and aprons where splashing of concentrate is a problem; otherwise, use uniforms or coveralls.		
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.		
ne known.		
iene measures, such as washin	way from food and drink. Always observe good personal og after handling the material and before eating, drinking, and/or thing and protective equipment to remove contaminants.	
	forms or coveralls. ngineering controls do not maint ts (where applicable) or to an ac en established), an approved res ne known. en using do not smoke. Keep av jiene measures, such as washin	

9. Physical and chemical properties

Appearance	Clear to slightly hazy, blue liquid
Physical state	Liquid.
Form	Liquid.
Color	Blue
Odor	Floral odor
Odor threshold	Not available.
рН	12 - 13.5
Melting point/freezing point	Not applicable / Not available
Initial boiling point and boiling	Not available.
range	
Flash point	144.0 °F (62.2 °C) Pensky-Martens Closed Cup
Evaporation rate	< 1 Ethyl ether = 1
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	18.87 mm Hg
Vapor density	0.6498 Air = 1
Relative density	1.0064 at 77°F
Solubility(ies)	
Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Other information	
Density	8.38 lb/gal
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Percent volatile	65 - 67 %
VOC	3.29 %

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents. May be corrosive to metals.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Acids. Strong oxidizing agents. Oxidizing agents. Metals.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
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 Harmful if swallowed.		
Product	Species	Test Results
QT 3		
Acute		
Dermal		
LD50	Guinea pig	62500 ml/kg estimated
	Rabbit	64674 mg/kg estimated
		9875 ml/kg estimated
Inhalation		
LC50	Mouse	1313 mg/l, 4 Hours estimated
Oral		
LD100	Guinea pig	66667 g/kg estimated
	Rat	66667 g/kg estimated
LD50	Guinea pig	182 g/kg estimated
	Mouse	5983 mg/kg estimated
	Rat	1992 mg/kg estimated
Components	Species	Test Results
Didecyldimethylammonium	n chloride (CAS 7173-51-5)	
Acute		
Dermal		
LD50	Rabbit	2730 mg/kg
Oral		
LD50	Mouse	268 mg/kg

	Species	5	Test Results
	Rat		84 mg/kg
Ethanol (CAS 64-17-5)			
<u>Acute</u>			
Inhalation			
LC50	Mouse		39 mg/l, 4 Hours
	Rat		20000 ppm, 10 Hours
Oral			
LD50	Guinea	pig	5.6 g/kg
	Mouse		3450 mg/kg
	Rat		6.2 g/kg
* Estimates for product may	be based on	additional component data not shown.	
Skin corrosion/irritation		evere skin burns and eye damage.	
Serious eye damage/eye rritation	Causes serious eye damage.		
Respiratory or skin sensitizatio	on		
Respiratory sensitization	Not a resp	biratory sensitizer.	
Skin sensitization	This produ	uct is not expected to cause skin sensitiza	tion.
Germ cell mutagenicity		vailable to indicate product or any compor c or genotoxic.	nents present at greater than 0.1% are
Carcinogenicity	This produ	uct is not considered to be a carcinogen by	y IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall	Evaluation	of Carcinogenicity	
Not listed. US. National Toxicology Pi	rogram (NTP) Report on Carcinogens	
	ogram (itti	, report on ouromogene	
Not listed.			
	ulated Subs	tances (29 CFR 1910.1001-1050)	
US. OSHA Specifically Reg Not regulated.			or developmental effects.
US. OSHA Specifically Reg Not regulated. Reproductive toxicity	This produ	uct is not expected to cause reproductive of	or developmental effects.
US. OSHA Specifically Reg Not regulated.		uct is not expected to cause reproductive of	or developmental effects.
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity -	This produ	uct is not expected to cause reproductive of fied.	or developmental effects.
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity -	This produ Not classi Not classi	uct is not expected to cause reproductive of fied.	or developmental effects.
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure	This produ Not classi Not classi Not an as	uct is not expected to cause reproductive of fied. fied.	or developmental effects.
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects	This produ Not classi Not classi Not an as Prolongeo	uct is not expected to cause reproductive of fied. fied. fied. piration hazard.	or developmental effects.
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio	This produ Not classi Not classi Not an as Prolongec n	uct is not expected to cause reproductive of fied. fied. piration hazard. t inhalation may be harmful.	or developmental effects.
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity	This produ Not classi Not classi Not an as Prolongec n	uct is not expected to cause reproductive of fied. fied. piration hazard. I inhalation may be harmful.	
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US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic	This produ Not classi Not classi Not an as Prolonged N Very toxic	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species	Test Results
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea	This produ Not classi Not classi Not an as Prolonged N Very toxic	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia	Test Results 10960.4844 mg/l, 48 hours estimated
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea Fish	This produ Not classi Not classi Not an as Prolonged N Very toxic	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia Fish	Test Results 10960.4844 mg/l, 48 hours estimated 16.0965 mg/l, 96 hours estimated
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea Fish Components	This produ Not classi Not classi Not an as Prolonged N Very toxic EC50 LC50	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia Fish Species	Test Results 10960.4844 mg/l, 48 hours estimated
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea Fish Components Alkyl dimethyl benzyl ammor	This produ Not classi Not classi Not an as Prolonged N Very toxic EC50 LC50	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia Fish Species	Test Results 10960.4844 mg/l, 48 hours estimated 16.0965 mg/l, 96 hours estimated
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea Fish Components Alkyl dimethyl benzyl ammor Aquatic	This produ Not classi Not classi Not an as Prolonged Very toxic EC50 LC50	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia Fish Species (C12-16) (CAS 68424-85-1)	Test Results 10960.4844 mg/l, 48 hours estimated 16.0965 mg/l, 96 hours estimated Test Results
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea Fish Components Alkyl dimethyl benzyl ammor Aquatic Fish	This produ Not classi Not classi Not an as Prolonged N Very toxic EC50 LC50	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia Fish Species (C12-16) (CAS 68424-85-1) Striped bass (Morone saxatilis)	Test Results 10960.4844 mg/l, 48 hours estimated 16.0965 mg/l, 96 hours estimated
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea Fish Components Alkyl dimethyl benzyl ammor Aquatic Fish Didecyldimethylammonium c	This produ Not classi Not classi Not an as Prolonged N Very toxic EC50 LC50	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia Fish Species (C12-16) (CAS 68424-85-1) Striped bass (Morone saxatilis)	Test Results 10960.4844 mg/l, 48 hours estimated 16.0965 mg/l, 96 hours estimated Test Results
US. OSHA Specifically Reg Not regulated. Reproductive toxicity Specific target organ toxicity - single exposure Specific target organ toxicity - repeated exposure Aspiration hazard Chronic effects 12. Ecological informatio Ecotoxicity Product QT 3 Aquatic Crustacea Fish Components Alkyl dimethyl benzyl ammor Aquatic Fish	This produ Not classi Not classi Not an as Prolonged N Very toxic EC50 LC50	uct is not expected to cause reproductive of fied. fied. piration hazard. d inhalation may be harmful. to aquatic life with long lasting effects. Species Daphnia Fish Species (C12-16) (CAS 68424-85-1) Striped bass (Morone saxatilis)	Test Results 10960.4844 mg/l, 48 hours estimated 16.0965 mg/l, 96 hours estimated Test Results

Components		Species	Test Results
Ethanol (CAS 64-17-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas	s) > 100 mg/l, 96 hours
* Estimates for product may be	e based on ad	ditional component data not shown.	
Persistence and degradability	No data is av	ailable on the degradability of this produc	st.
Bioaccumulative potential			
Partition coefficient n-octan Ethanol	ol / water (log	Kow) -0.31	
Mobility in soil	No data available.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation		
	•	docrine disruption, global warming potentia	al) are expected from this component.
13. Disposal consideration	າຣ		
Disposal instructions		nes all risk and liability associated with disp violation of applicable law.	posal of this product (original concentration
	pesticide, sp disposed of l	DISPOSAL - Pesticide wastes are acutely ray mixture, or rinsate is a violation of Fed by use according to label instructions, cont ncy, or the Hazardous Waste representativ	leral Law. If these wastes cannot be tact your State Pesticide or Environmental
Local disposal regulations	Dispose in a	ccordance with all applicable regulations.	
Hazardous waste code	D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel] 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		sposal: Nonrefillable container. Do not reu d put in trash.	ise or refill this container. Wrap empty
14. Transport information			
DOT			
UN number UN proper shipping name Transport hazard class(es)	UN1903 Disinfectants	s, Liquids, Corrosive, n.o.s. (Quaternary Ar	mmonium Compounds)
Class	8		
Subsidiary risk	-		
Label(s)	8		
Packing group	III • Dood oofety	instructions CDC and ansatz	rea bafara bandling
Special precautions for user Special provisions		instructions, SDS and emergency procedu IB3, T4, TP1, TP29	ures perore nandling.
Packaging exceptions	8, 140, 335, 155	IB3, 14, 1F1, 1F29	
	203		
Packaging non bulk Packaging bulk	200		
	241		
ERG number	241 153	E SHIPPED LIMITED QUANTITY OR OR	:M-D
ERG number PACKAGES 1 GALLON AND	241 153	E SHIPPED LIMITED QUANTITY OR OR	M-D
ERG number PACKAGES 1 GALLON AND	241 153	E SHIPPED LIMITED QUANTITY OR OR	M-D
ERG number PACKAGES 1 GALLON AND IATA UN number UN proper shipping name	241 153 SMALLER AR UN1903	E SHIPPED LIMITED QUANTITY OR OR 5, Liquids, Corrosive, n.o.s. (Quaternary Ar	
ERG number PACKAGES 1 GALLON AND IATA UN number	241 153 SMALLER AR UN1903 Disinfectants		
ERG number PACKAGES 1 GALLON AND IATA UN number UN proper shipping name Transport hazard class(es) Class	241 153 SMALLER AR UN1903		
ERG number PACKAGES 1 GALLON AND IATA UN number UN proper shipping name Transport hazard class(es)	241 153 SMALLER AR UN1903 Disinfectants		
ERG number PACKAGES 1 GALLON AND IATA UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk	241 153 SMALLER AR UN1903 Disinfectants 8 -		

ERG Code	153
Special precautions for use Other information	Read safety instructions, SDS and emergency procedures before handling.
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1903
UN proper shipping name	Disinfectants, Liquids, Corrosive, n.o.s. (Quaternary Ammonium Compounds), MARINE POLLUTANT
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for use	 Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.
DOT	



IATA; IMDG



Marine pollutant



IMDG Regulated Marine Pollutant.

15. Regulatory information

US federal regulations

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

Not regulated.		
CERCLA Hazardous Substa Not listed.	nce List (40 CFR 302.4)	
SARA 304 Emergency relea	se notification	
Not regulated.		
US. OSHA Specifically Regu	Ilated Substances (29 CFR 1910.1001-1050)	
Not regulated.		
-	authorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No	
SARA 302 Extremely hazard Not listed.	-	
SARA 311/312 Hazardous chemical	No	
SARA 313 (TRI reporting) Not regulated.		
ther federal regulations		
Safe Drinking Water Act (SDWA)	Not regulated.	
FEMA Priority Substand	ces Respiratory Health and Safety in the Flavor Manufacturing Work	place
Ethanol (CAS 64-17-	5) Low priority	
FIFRA Information	FIFRA: This product is a U.S. EPA Registered pesticide, EPA Reg. No subject to certain labeling requirements under Federal pesticide law. T from the classification criteria and hazard information required for safe for workplace labels of non-pesticide products. The hazard information label is reproduced here.	These requirements differ ty data sheets (SDS), and
	PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER. Corrosive. Causes irreversible eye damage and skin burns skin, or on clothing. Wear protective eyewear (goggles, face shield or clothing and protective (rubber or chemical resistant) gloves. Harmful through the skin. Wash thoroughly with soap and water after handling chewing gum, using tobacco or using the toilet. Remove contaminated before reuse.	safety glasses), protective if swallowed or if absorbed and before eating, drinking
	KEEP OUT OF REACH OF CHILDREN	
	DANGER/PELIGRO FIRST AID: IF IN EYES: Hold eye open and rinse slowly and gently wi Remove contact lenses, if present, after first 5 minutes, then continue CLOTHING: Take off contaminated clothing. Rinse skin immediately w minutes. IF SWALLOWED: Call a poison control center or doctor imme advice. Have person sip a glass of water if able to swallow. Do not inde do so by the poison control center or doctor. Do not give anything by n person. Call a poison control center or doctor for treatment advice. Have label with you when calling a Poison Control Center or doctor or going NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate	rinsing eye. IF ON SKIN O vith plenty of water for 15-2 ediately for treatment uce vomiting unless told to nouth to an unconscious ve the product container or for treatment.
S state regulations		
	5 Vater and Toxic Enforcement Act of 1986 (Proposition 65): This material sted as carcinogens or reproductive toxins.	is not known to contain
ternational Inventories	······································	
Country(s) or region	Inventory name	On inventory (yes/no
Canada	Domestic Substances List (DSL)	Y

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*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, including date of preparation or last revision

Issue date	10-10-2016
Revision date	11-08-2016
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HMIS® ratings	Health: 3 Flammability: 2 Physical hazard: 0
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Revision information	Physical & Chemical Properties: Multiple Properties Transport Information: Proper Shipping Name/Packing Group HazReg Data: International Inventories GHS: Classification