

SAFETY DATA SHEET

1. Identification

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Product identifier	MICROGEN® QUAT 80		
Other means of identification Product Code	864211		
Product registration number	10324-27-61178		
Recommended use	Quat Active (MUP)		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/Distributor information			
Manufacturer			
Company name Address	Mason Chemical Company 723-B W. Algonquin Rd Arlington Heights, IL 60005 United States		
Telephone	(847) 290-1621 1-800-362-1855		
E-mail	sdsinfo@pilotchemical.com		
Emergency phone number	CHEMTREC International:	1-703-527-3887	
CHEMTREC USA:	1-800-424-9300		

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, oral	Category 4
	Skin corrosion/irritation	Category 1B
	Serious eye damage/eye irritation	Category 1
OSHA defined hazards	Not classified.	

Label elements

Signal word	Danger
Hazard statement	Flammable liquid and vapor. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary statement	
Prevention	Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. 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. Wear protective gloves/protective clothing/eye protection/face protection.
Response	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. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 1
	Hazardous to the aquatic environment, long-term hazard	Category 1
Hazard(s) not otherwise classified (HNOC)	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.	
Supplemental information	12% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.	

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Alkyl Dimethyl Benzyl Ammonium Chloride		53516-76-0	40 - < 50
Alkyl(C12-14)dimethyl(ethylbenzyl)a mmonium Chloride		85409-23-0 (ALT# 68956-79-6)	40 - < 50
Ethanol		64-17-5	10 - < 20
Other components below reportable level	S		5 - < 10

*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	Alcohol resistant foam. Water fog. 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

0. Accidental release meas	
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). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.
	Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. 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. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
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. Avoid prolonged exposure. Do not taste or swallow. 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	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
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8. Exposure controls/personal protection

Components	Туре	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3
		1000 ppm
US. ACGIH Threshold Lin	nit Values	
Components	Туре	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm
US. NIOSH: Pocket Guide Components	e to Chemical Hazards Type	Value
Ethanol (CAS 64-17-5)	TWA	1900 mg/m3
		1000 ppm
ological limit values	No biological exposure limits noted for the ingredient(s).	
propriate engineering ntrols	Explosion-proof general and local exhaust ventilation. 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 Eve/face protection Wear safety glasses with side shields (or goggles) and a face shield. Skin protection Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Other Wear appropriate chemical resistant clothing. If engineering controls do not maintain airborne concentrations below recommended exposure **Respiratory protection** limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Wear appropriate thermal protective clothing, when necessary. **Thermal hazards** When using do not smoke. Keep away from food and drink. Always observe good personal **General hygiene** considerations 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 and chemical properties

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Appearance	Clear
Physical state	Liquid.
Form	Liquid.
Color	Colorless to Beige.
Odor	Almond
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	104.0 °F (40.0 °C) Pensky-Martens Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Miscible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	245.4 cSt
Other information	
pH in aqueous solution	6 - 9 10% aqueous solution
Specific gravity	0.95
VOC (Weight %)	12 % estimated
10. Stability and reactivity	

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Reactivity

Chemical stability

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

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
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

Harmful if swallowed.

Acute toxicity	Harmful if swallowed.	
Components	Species Test Results	
Alkyl Dimethyl Benzyl Ammoni	um Chloride (CAS 53516-76-0)	
<u>Acute</u>		
Dermal		
LD50		3560 mg/kg
Oral		
LD50		430 mg/kg
lkyl(C12-14)dimethyl(ethylber	nzyl)ammonium Chloride	
<u>Acute</u>		
Dermal		
LD50		3560 mg/kg
Oral		
LD50		430 mg/kg
thanol (CAS 64-17-5)		
<u>Acute</u>		
Inhalation		
<i>Vapor</i> LC50	Rat	117 - 125 mg/l, 4 h
	nat	117 - 125 mg/i, 4 m
Oral LD50	Bat	10470 mg/kg
LDS0	hat	1047 o trig/kg
* Estimates for product ma	ay be based on additional component d	ata not shown.
kin corrosion/irritation	Causes severe skin burns and ey	e damage.
Serious eye damage/eye rritation	Causes serious eye damage.	
Respiratory or skin sensitiza	tion	
Respiratory sensitizatior	Not a respiratory sensitizer.	
Skin sensitization	This product is not expected to ca	ause 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.
OSHA Specifically Regul Not listed.	ated Substances (29 CFR 1910.1001	-1050)
Reproductive toxicity	This product is not expected to ca	ause reproductive or developmental effects.

Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

toxicity	Very toxic	to aquatic life with long lasting effects.	
Components		Species	Test Results
Alkyl Dimethyl Benzyl	Ammonium Chlorid	le (CAS 53516-76-0)	
Aquatic			
Fish	LC50	Striped bass (Morone saxatilis)	0.5 mg/l, 96 hours
Acute			
Fish	LC50	Bluegill (Lepomis macrochirus)	0.515 mg/l
Chronic			
Crustacea	NOEL	Daphnia	0.0042 mg/l
Alkyl(C12-14)dimethyl	(ethylbenzyl)ammo	nium Chloride	
Aquatic			
Acute			
Fish	LC50	Bluegill (Lepomis macrochirus)	0.515 mg/l
Chronic			
Crustacea	NOEL	Daphnia	0.0042 mg/l
Ethanol (CAS 64-17-5))		
Aquatic			
Acute			
Algae	EC50	Algae	675 mg/l, 72 h
Crustacea	EC50	Daphnia	5012 mg/l, 48 h
Fish	LC50	Fathead minnow (Pimephales promelas)	14200 mg/l, 96 h
Chronic			
Crustacea	NOEC	Daphnia	9.6 mg/l, 9 d

* Estimates for product may be based on additional component data not shown.

Persistence and degradability	This product is expected to be readily biodegradable.	
Bioaccumulative potential	No data available.	
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 considerations

Disposal instructions	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 lab instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.	
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	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.	

14. Transport information

DOT

DO	T	
	UN number	UN2920
	UN proper shipping name	Corrosive liquids, flammable, n.o.s. (Quaternary Ammonium Compound, Ethanol)
	Transport hazard class(es)	
	Class	0
		8
	Subsidiary risk	3
	Label(s)	8,3
	Packing group	11
		Read safety instructions, SDS and emergency procedures before handling.
	Special provisions	B2, IB2, T11, TP2, TP27
	Packaging exceptions	None
	Packaging non bulk	202
	Packaging bulk	243
	ERG number	132
	Note: Class 3 labels are not re-	quired when packages are transported domestically by rail or highway as noted in 49CFR 172.402
	(a)	
IAT	A	
	UN number	UN2920
	UN proper shipping name	Corrosive liquid, flammable, n.o.s. (Quaternary Ammonium Compound, Ethanol)
	Transport hazard class(es)	
	Class	8
	Subsidiary risk	3
	Packing group	
	Environmental hazards	No.
	ERG Code	8F
	Other information	Read safety instructions, SDS and emergency procedures before handling.
	Passenger and cargo	Allowed.
	aircraft	
		Allowed.
IME	Cargo aircraft only	Allowed.
IME	Cargo aircraft only OG	
IME	Cargo aircraft only	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND,
IME	Cargo aircraft only OG UN number UN proper shipping name	UN2920
IME	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es)	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL)
IMC	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8
IMC	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3
IMC	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8
IME	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11
IME	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No.
IME	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C
	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C Read safety instructions, SDS and emergency procedures before handling.
Tra	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user nsport in bulk according to	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C
Tra Anı	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user nsport in bulk according to nex II of MARPOL 73/78 and	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C Read safety instructions, SDS and emergency procedures before handling.
Tra Anı the	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user nsport in bulk according to nex II of MARPOL 73/78 and IBC Code	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C Read safety instructions, SDS and emergency procedures before handling.
Tra Anı	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user nsport in bulk according to nex II of MARPOL 73/78 and IBC Code	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C Read safety instructions, SDS and emergency procedures before handling.
Tra Anı the	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user nsport in bulk according to nex II of MARPOL 73/78 and IBC Code	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C Read safety instructions, SDS and emergency procedures before handling.
Tra Anı the	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user nsport in bulk according to nex II of MARPOL 73/78 and IBC Code	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 1 No. F-E, S-C Read safety instructions, SDS and emergency procedures before handling. Not established.
Tra Anı the	Cargo aircraft only OG UN number UN proper shipping name Transport hazard class(es) Class Subsidiary risk Packing group Environmental hazards Marine pollutant EmS Special precautions for user nsport in bulk according to nex II of MARPOL 73/78 and IBC Code	UN2920 CORROSIVE LIQUID, FLAMMABLE, N.O.S. (QUATERNARY AMMONIUM COMPOUND, ETHANOL) 8 3 11 No. F-E, S-C Read safety instructions, SDS and emergency procedures before handling.



15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA.
TSCA Section 12(b) Export	Notification (40 CFR 707, Subpt. D)
Not regulated. CERCLA Hazardous Subst	
Ethanol (CAS 64-17-5) SARA 304 Emergency relea	Listed.
Not regulated. OSHA Specifically Regulate	ed Substances (29 CFR 1910.1001-1050)
Not listed.	
-	eauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazar Not listed.	dous substance
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting) Not regulated.	
Other federal regulations	
Clean Air Act (CAA) Sectio	n 112 Hazardous Air Pollutants (HAPs) List
Not regulated. Clean Air Act (CAA) Sectio	n 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.	
Safe Drinking Water Act (SDWA)	Not regulated.
FIFRA Information	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. Listed below is the hazard information as required of the pesticide label.
Signal word	DANGER KEEP OUT OF REACH OF CHILDREN
Hazard statement	Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or inhaled. Harmful if absorbed through the skin.
JS state regulations	
	ubstances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed. US. Massachusetts RTK - S Ethanol (CAS 64-17-5)	Substance List
· · · · · · · · · · · · · · · · · · ·	d Community Right-to-Know Act

US. Pennsylvania Worker and Community Right-to-Know Law

Ethanol (CAS 64-17-5)

US. Rhode Island RTK

Not regulated.

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)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
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	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

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*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	06-05-2015
Version #	01
NFPA ratings	Health: 3 Flammability: 3 Instability: 0
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 a 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.