

## 1. Identification

<b>Product identifier</b>	<b>CORSODYL MINT MOUTHWASH</b>
<b>Other means of identification</b>	Not available.
<b>Synonym(s)</b>	FORMULA: MF 1161 CORSODYL ANISEED MOUTHWASH * FORMULA: MF 2322 CORSODYL MINT MOUTHWASH * MW-SP-0012/2 * CHLORHEXIDINE GLUCONATE, FORMULATED PRODUCT
<b>Recommended use</b>	Medicinal Product

This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient.

**Recommended restrictions** No other uses are advised.

### Manufacturer/Importer/Supplier/Distributor information

#### Manufacturer

GlaxoSmithKline US  
5 Moore Drive  
Research Triangle Park, NC 27709 USA  
US General Information (normal business hours): +1-888-825-5249  
Email Address: [msds@gsk.com](mailto:msds@gsk.com)  
Website: [www.gsk.com](http://www.gsk.com)  
EMERGENCY PHONE NUMBERS -  
TRANSPORT EMERGENCIES::  
US / International toll call +1 703 527 3887  
available 24 hrs/7 days; multi-language response

## 2. Hazard(s) identification

### Classified hazards

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

### Label elements

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

### Hazard(s) not otherwise classified (HNOC)

Exempt from requirements - product regulated as a medicinal product, cosmetic product or medical device.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
D-SORBITOL	SORBITOL L-GULITOL 1,2,3,4,5,6-HEXANEHEXOL D-SORBOL	50-70-4	6.755

Chemical name	Common name and synonyms	CAS number	%
ETHANOL	243 (GW ACN) ALCOHOL ALCOHOL ANHYDROUS ANHYDROUS ETHANOL ANHYDROUS ETHYL ALCOHOL ETHANOL 200 PROOF ETHYL ALCOHOL ETHYL ALCOHOL USP 200 PROOF (USI) ETHYL ALCOHOL, 100% ETHYL HYDRATE ETHYL HYDROXIDE ETHYLIC ALCOHOL GRAIN ALCOHOL METHYL CARBINOL RTECS KQ6300000 UN 1170 ALCOHOL ETILICO (ETANOL) ALCOOL ETILICO ALCOOL ÉTHYLIQUE ETANOL ETANOLI ETANOLO ETANOOL ETHANOL ETHYLALCOHOL ETHYLALKOHOL ÁLCOOL ETÍLICO ÉTHANOL ÉTHANOL (ALCOOL ÉTHYLIQUE) OU ÉTHANOL EN SOLUTION (ALCOOL ÉTHYLIQUE EN SOLUTION)	64-17-5	5 - 6

CHLORHEXIDINE DIGLUCONATE	D-GLUCONIC ACID, COMPOUND WITH N,N"-BIS(4-CHLOROPHENYL)-3,12-DIIMIN Ø4,11,13-TETRAAZATETRADECANEDIIMI DAMIDE (2:1) GLUCONIC ACID, COMPOUND WITH 1,1'-HEXAMETHYLENEBIS(5-(P-CHLOROP HENYL)- BIGUANIDE) (2:1), D- D-GLUCONIC ACID, COMPOUND WITH 1,1'-HEXAMETHYLENEBIS(5-(P-CHLORO- PHENYL)BIGUANIDE) (2:1) CHLORHEXIDINE BIGLUCONATE CHLORHEXIDINE DI-D-GLUCONATE 4-CHLORHEXIDINE DIGLUCONATE CHLORHEXIDINE GLUCONATE	18472-51-0	0.2 - 1.2
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Other components below reportable levels

86.245456337419

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

#### 4. First-aid measures

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Get medical attention if symptoms occur. If ingestion of a large amount does occur, call a poison control center immediately.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. No specific antidotes are recommended. Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information centre.
<b>General information</b>	Pre-placement and periodic health surveillance is not usually indicated. The final determination of the need for health surveillance should be determined by local risk assessment.

#### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	None known.

Material name: CORSODYL MINT MOUTHWASH

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<b>Specific hazards arising from the chemical</b>	Vapors may form explosive mixtures with air. By heating and fire, harmful vapors/gases may be formed. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	Flammable liquid and vapor.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. 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.
<b>Methods and materials for containment and cleaning up</b>	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.  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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not taste or swallow. Avoid prolonged exposure. Provide adequate ventilation. Use personal protective equipment as required. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.
<b>Conditions for safe storage, including any incompatibilities</b>	Store locked up. Keep away from heat and sources of ignition. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### GSK

Components	Type	Value
CHLORHEXIDINE DIGLUCONATE (CAS 18472-51-0)	8 HR TWA	100 mcg/m3
D-SORBITOL (CAS 50-70-4)	OHC	3
	OHC	1

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

Components	Type	Value
ETHANOL (CAS 64-17-5)	PEL	1900 mg/m3 1000 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
ETHANOL (CAS 64-17-5)	STEL	1000 ppm

Components	Type	Value
ETHANOL (CAS 64-17-5)	TWA	1900 mg/m <sup>3</sup> 1000 ppm
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).	
<b>Appropriate engineering controls</b>	No particular ventilation requirements. An Exposure Control Approach (ECA) is established for operations involving this material based upon the OEL/Occupational Hazard Category and the outcome of a site- or operation-specific risk assessment.	
<b>Individual protection measures, such as personal protective equipment</b>		
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).	
<b>Hand protection</b>	The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Glove selection must take into account any solvents and other hazards present.	
<b>Other</b>	Wear suitable protective clothing.	
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required.	
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.	
<b>General hygiene considerations</b>	For advice on suitable monitoring methods, seek guidance from a qualified environment, health and safety professional.	

## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	5.1 - 5.3 (100 % solution, 71.6 °F (22 °C))
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	129.2 °F (54 °C) Closed Cup . (Does not support sustained combustion)
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	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** Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

## 11. Toxicological information

### Information on likely routes of exposure

**Ingestion** May be harmful if swallowed.  
**Inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.  
**Skin contact** Health injuries are not known or expected under normal use.  
**Eye contact** Direct contact with eyes may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### Information on toxicological effects

**Acute toxicity** May be harmful if swallowed.

Components	Species	Test Results
CHLORHEXIDINE DIGLUCONATE (CAS 18472-51-0)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	0.3 - 0.43 mg/l chlorhexidine diacetate
<i>Oral</i>		
LD50	Rat	2000 mg/kg
<b>Subchronic</b>		
<i>Dermal</i>		
LOEL	Rabbit	250 mg/kg/day minimal irritation-chlorhexidine diacetate
NOAEL	Rabbit	500 mg/kg/day liver- chlorhexidine diacetate
D-SORBITOL (CAS 50-70-4)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	15.9 g/kg
ETHANOL (CAS 64-17-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 2000 mg/kg
<b>Chronic</b>		
<i>Oral</i>		
LOAEL	Monkey	40 %, 48 months % ingested calories
<b>Subacute</b>		
<i>Oral</i>		
LOEL	Rat	16.9 g/kg, 4 weeks Dietary - Dose given as g/kg/day 6 %, 4 weeks percent in diet - continuous
<b>Subchronic</b>		
<i>Inhalation</i>		
LOEL	Rat	2 ml, 36 weeks haematological parameters
NOAEL	Guinea pig	3000 ppm No adverse effects
	Rat	86 mg/m3, 90 Day Daily dosing
<i>Oral</i>		
LOAEL	Rat	5000 mg/kg/day, 10 weeks Liver toxicity 80 ml/kg, 85 Day Daily dose - Liver toxicity 10.2 g/kg, 12 weeks Dosed in drinking water - Continuous

Components	Species	Test Results
		7.7 g/kg, 12 weeks Dosed in drinking water - continuous
* Estimates for product may be based on additional component data not shown.		
<b>Skin corrosion/irritation</b>	Health injuries are not known or expected under normal use.	
<b>Corrosivity</b>		
ETHANOL		OECD 404 Result: Negative; not considered a significant irritant Species: Rabbit
CHLORHEXIDINE DIGLUCONATE		OECD 404, chlorhexidine diacetate Result: Negative Species: Rabbit
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.	
<b>Eye</b>		
ETHANOL		OECD 405 Result: Severe Species: Rabbit
CHLORHEXIDINE DIGLUCONATE		OECD 405, chlorhexidine diacetate Result: Severe Species: Rabbit
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not available.	
<b>Skin sensitization</b>	Contains a potential skin sensitizer.	
<b>Sensitization</b>		
ETHANOL		OECD 406 Result: Negative Species: Guinea pig
CHLORHEXIDINE DIGLUCONATE		Occupational exposure, Sensitive individuals Result: Positive Species: Human
<b>Germ cell mutagenicity</b>	Not available.	
<b>Mutagenicity</b>		
ETHANOL		Ames Result: Negative
CHLORHEXIDINE DIGLUCONATE		Ames, chlorhexidine digluconate Result: Negative
ETHANOL		Chromosomal Aberration Assay In Vitro, CHO cells Result: Negative
CHLORHEXIDINE DIGLUCONATE		Chromosomal Aberration Assay In Vitro, chlorhexidine digluconate Result: Negative
ETHANOL		Dominant lethal assay Result: Positive Species: Mouse
CHLORHEXIDINE DIGLUCONATE		Dominant lethal assay Result: Positive Species: Rat
ETHANOL		Dominant lethal assay, chlorhexidine digluconate Result: Negative Species: Mouse
ETHANOL		Gene mutation and repair Result: Negative Species: Bacteria
ETHANOL		Gene mutation and repair Result: Positive Species: Bacteria
ETHANOL		In vitro cytogenetics assay Result: Positive
ETHANOL		In vitro cytogenetics assay Result: Positive Species: Aspergillus niger
ETHANOL		L5178Y mouse lymphoma thymidine kinase locus assay Result: Weakly positive
CHLORHEXIDINE DIGLUCONATE		Micronucleus Test, chlorhexidine digluconate Result: Negative Species: Mouse

**Mutagenicity**  
ETHANOL

Yeast mutation  
Result: Negative  
Yeast mutation  
Result: Positive  
in vitro micronucleus assay  
Result: Negative  
in vivo cytogenetics assay  
Result: Negative  
Species: Hamster  
in vivo cytogenetics assay  
Result: Negative  
Species: Rat  
in vivo cytogenetics assay  
Result: Positive  
Species: Mouse  
in vivo cytogenetics assay, chlorhexidine digluconate  
Result: Negative  
Species: Hamster  
sister chromatid exchange  
Result: Positive

CHLORHEXIDINE DIGLUCONATE

ETHANOL

**Carcinogenicity**

Ethanol produced carcinogenic effects in humans. High concentrations or doses administered over an extended period of time were required to produce adverse effects.

ETHANOL

Epidemiology, causation linked to excessive consumption.  
Species: Human  
Organ: oral cavity, larynx, pharynx, oesophagus, liver  
Neonatal, inadequate study  
Result: Negative  
Species: Rat  
inadequate study  
Result: Increase in liver sarcomas  
Species: Mouse  
inadequate study  
Result: Negative  
Species: Hamster  
Test Duration: 807 Day  
inadequate study  
Result: Negative  
Species: Mouse  
Test Duration: 1020 Day  
inadequate study  
Result: Negative  
Species: Rat  
inadequate study  
Result: Negative  
Species: Rat  
Test Duration: 78 weeks  
inadequate study  
Result: Time to tumour reduced  
Species: Mouse  
Test Duration: 80 weeks

**US. National Toxicology Program (NTP) Report on Carcinogens**

ETHANOL (CAS 64-17-5)

Known To Be Human Carcinogen.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity**

Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

**Reproductivity**

ETHANOL

0.3 - 4.1 g/kg Embryo-foetal development - Oral, daily dose  
Species: Monkey  
Organ: facial anomalies, nervous system dysfunction  
1 - 2 g/kg Embryo-foetal development - Oral, daily dose  
Result: embryoethality  
Species: Rat  
1.8 g/kg Embryo-foetal development - Oral, daily dose  
Result: Increased abortion  
Species: Monkey  
CHLORHEXIDINE DIGLUCONATE  
15.63 mg/kg/day Embryofetal Development, chlorhexidine diacetate  
Result: Maternal NOAEL  
Species: Rat

CHLORHEXIDINE DIGLUCONATE

**Reproductivity**

ETHANOL

5 g/kg Embryo-foetal development - Oral, daily dose - intravenous

Result: reduced foetal body weight; no malformations or other variations

Species: Monkey

CHLORHEXIDINE DIGLUCONATE

62.5 mg/kg/day Embryofetal Development, chlorhexidine diacetate

Result: Developmental NOAEL - High dose

Species: Rat

ETHANOL

7 - 17 g/kg Embryo-foetal development - Oral, daily dose - gavage

Species: Rat

Organ: skeletal malformations, dilated renal pelves

Embryo-foetal development - Oral, 15-30% in diet

Result: resorptions, neural defects, cardiac malformations

Species: Mouse

Embryo-foetal development - Oral, Causation is linked to excessive consumption.

Species: Human

Organ: growth deficiency, CNS dysfunction, facial defects, major organ malformation

Embryofetal Development, in utero - 36% total calories

Species: Rat

Organ: gonadal growth and development

Fertility, Female, 10% in drinking water

Result: Negative

Species: Rat

Fertility, Female, 20-25% total calories

Result: Negative

Species: Rat

Fertility, Male, 5-6% v/v liquid diet

Species: Mouse

Organ: significant effects on testes and seminal vesicles

Test Duration: 70 Day

**Specific target organ toxicity - single exposure** Narcotic effects.**Specific target organ toxicity - repeated exposure** May cause damage to organs through prolonged or repeated exposure by ingestion.**Aspiration hazard** May be harmful if swallowed and enters airways.**Chronic effects** Prolonged exposure may cause chronic effects.**Further information** None known.**12. Ecological information****Ecotoxicity** No information is available about the potential of this product to produce adverse environmental effects. Contains a substance which causes risk of hazardous effects to the environment. The product contains a substance which may cause long-term adverse effects in the environment.

Components	Species	Test Results
CHLORHEXIDINE DIGLUCONATE (CAS 18472-51-0)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	EC50	Brown trout (Adult Salmo trutta) 3.2 mg/l, 96 hours Static test
ETHANOL (CAS 64-17-5)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Blue-green algae (Microcystis aeruginosa) 1450 mg/L, 72 hours
Crustacea	EC50	Water flea (Daphnia magna) 9190 mg/L, 48 hours Static test
Fish	EC50	Fathead minnow (Adult Pimephales promelas) 14200 mg/L, 96 hours Flow-through test
		Rainbow trout (Adult Salmo gairdneri) 13000 mg/L, 96 hours Static test

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

**Persistence and degradability**



## Photolysis

### Half-life (Photolysis-aqueous)

ETHANOL 1 - 36.6 Years Measured

### Half-life (Photolysis-atmospheric)

ETHANOL 4 - 5.9 Days Estimated

## Bioaccumulative potential

### Partition coefficient n-octanol / water (log Kow)

D-SORBITOL -2.2

ETHANOL -0.31

### Bioconcentration factor (BCF)

D-SORBITOL 1 Estimated

## Mobility in soil

### Adsorption

#### Soil/sediment sorption - log Koc

D-SORBITOL 0.3 Estimated

ETHANOL 1.2 Calculated

## Mobility in general

### Volatility

#### Henry's law

D-SORBITOL 0 atm m<sup>3</sup>/mol Estimated

ETHANOL 0.000005 atm m<sup>3</sup>/mol Measured

**Other adverse effects** Not available.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**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. Transport information

### DOT

**UN number** UN1170

**UN proper shipping name** Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**Label(s)** 3

**Packing group** III

**Special precautions for user** Not available.

**Special provisions** 24, B1, IB3, T2, TP1

**Packaging exceptions** 4b, 150

**Packaging non bulk** 203

**Packaging bulk** 242

**Qty limits cargo** 220 L

**Qty limits passenger** 60 L

### IATA

**UN number** UN1170

**UN proper shipping name** Ethanol solution

**Transport hazard class(es)** 3

**Subsidiary class(es)** -

**Packaging group** III

**Environmental hazards** No.

**Labels required** 3

**ERG Code** 3L

Special precautions for user Not available.

**Other information**

Cargo aircraft only Allowed.

Passenger & cargo Allowed.

**Additional Information:**

Packaging Instruction 355

Pkg Inst cargo only 366

Pkg Inst passenger & cargo Y344

SP see 44 A3,A58,A180

Max net qty pkg 60 L

Max net qty pkg cargo only 220 L

Max net qty pkg LQ 10 L

**IMDG**

UN number UN1170

UN proper shipping name ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Transport hazard class(es)**

Class 3

Subsidiary risk -

Label(s) 3

Packing group III

**Environmental hazards**

Marine pollutant No.

EmS F-E, S-D

Special precautions for user Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

**DOT**



**IATA; IMDG**



## 15. Regulatory information

### US federal regulations

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

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ETHANOL (CAS 64-17-5) Listed.

**SARA 304 Emergency release notification**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No

### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

### 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.

## US state regulations

### US. Massachusetts RTK - Substance List

ETHANOL (CAS 64-17-5)

### US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

### US. Pennsylvania RTK - Hazardous Substances

ETHANOL (CAS 64-17-5)

### US. Rhode Island RTK

Not regulated.

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

#### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ETHANOL (CAS 64-17-5)

Listed: April 29, 2011

Listed: July 1, 1988

#### US - California Proposition 65 - CRT: Listed date/Developmental toxin

ETHANOL (CAS 64-17-5)

Listed: October 1, 1987

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
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)	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)	Yes
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	Yes

\*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** 03-21-2014  
**Revision date** 03-21-2014  
**Version #** 14

**HMIS® ratings**

Health: 2\*  
Flammability: 2  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 2  
Instability: 0

**References**

GSK Hazard Determination

**Disclaimer**

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