

## SAFETY DATA SHEET

Preparation Date: 12/28/2018

Revision Number: E1

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### 1. PRODUCT AND COMPANY IDENTIFICATION

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- 1.1 Product identifiers
- Product name : Peppermint Spirit, USP  
Product Number : PE110  
Brand : Spectrum Chemical
- CAS-No. : Mixture
- 1.2 Details of the supplier of the safety data sheet
- Company : Spectrum Chemical  
14422 South San Pedro St.  
Gardena, CA 90248
- Telephone : +1 310-516-8000  
Fax : +1 310-516-9843
- 1.3 Emergency telephone number
- Emergency Phone #: +1-800-424-9300 (CHEMTREC)

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### 2. HAZARDS IDENTIFICATION

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#### CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### CLASSIFICATION ACCORDING TO REGULATION (EC) NO. 1272/2008

Flammable Liquid Category 2, H225

Skin Sensitizer Category 1, H317

For the full text of H-Statements see Section 16

#### PRIMARY EFFECTS

Physicochemical	Highly flammable liquid and vapour.
Human Health	May cause an allergic skin reaction.
Environmental	None applicable.

#### LABEL ELEMENTS

#### LABELLING ACCORDING TO REGULATION (EC) NO.1272/2008

Pictogram:



Signal word: Danger

Hazard statement(s): H225, H317

Precautionary Statement(s):

P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 – Keep container tightly closed.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.

P363 – Wash contaminated clothing before reuse.

#### OTHER HAZARDS

This mixture is not classifiable as PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 based on an assessment of the constituent ingredients.

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

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#### GENERAL COMPOSITIONAL DESCRIPTION

A formulated mixture containing approximately 54%v/v Ethanol (CAS No 64-17-5), 2%v/v Peppermint Oil (CAS 8006-90-4) and water.

#### HAZARDOUS COMPONENTS ACCORDING TO REGULATION (EC) NO. 1272/2008

Component Name and identifiers	Classification
Ethanol Index No. 603-002-00-5	Flam. Liq. 2 – H225 Eye Irrit. 2 – H319
Peppermint Oil EC No. 282-015-4	Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Aquatic Chronic 2 – H411

For full text of H-Statements see Section 16

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### 4 FIRST - AID MEASURES

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#### DESCRIPTION OF FIRST AID MEASURES

#### GENERAL ADVICE

Extinguish sources of ignition in the area. Avoid contact with skin and eyes.

#### IF INHALED

Remove to fresh air, keep warm and at rest. If there are any difficulties with breathing give oxygen. If breathing stops or gives signs of failing apply artificial respiration and seek medical assistance.

#### IN CASE OF SKIN CONTACT

Remove contaminated clothing; this should not be worn again until it has been laundered.  
Wash contaminated skin with soap and water. Seek medical advice if discomfort persists.

#### IN CASE OF EYE CONTACT

Rinse eyes with water and remove contact lenses if possible. Irrigate eyes with water or eye wash solution for at least fifteen minutes. If discomfort persists seek medical assistance.

#### IF SWALLOWED

Wash mouth out thoroughly with water. Do not induce vomiting. If a significant quantity (>250ml) has been ingested or if symptoms develop seek medical advice.

#### MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Ingestion: Ethanol taken to excess will cause depression of the central nervous system, indicated by nausea, vomiting, muscular incoordination, visual impairment and loss of consciousness. Aspiration during swallowing or vomiting will damage lungs.

Peppermint oil may cause a burning or cooling sensation in contact with the skin and mucous membranes.

#### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

For ingestion treat as alcohol poisoning.

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## **5 FIRE-FIGHTING MEASURES**

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#### EXTINGUISHING MEDIA

##### SUITABLE EXTINGUISHING MEDIA

Water spray, AFFF foam, chemical dry powder or carbon dioxide.

##### UNSUITABLE EXTINGUISHING MEDIA

Water jet.

#### SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Burning may produce irritating fumes, carbon monoxide, carbon dioxide, and oxides of nitrogen.

#### ADVICE FOR FIREFIGHTERS

Use normal personal protective equipment including self-contained breathing apparatus.

#### FURTHER INFORMATION

None.

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## **6 ACCIDENTAL RELEASE MEASURES**

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#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Extinguish sources of ignition, and ventilate area. For large scale spillages evacuate the area.

Wear personal protective equipment as directed in Section 8.

#### ENVIRONMENTAL PRECAUTIONS

Do not allow product to enter drains and watercourses. Inform local authority and fire service if preparation enters drains and watercourses.

#### METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Use non-sparking tools. Absorb spillage using a proprietary absorbent sand, scoop up and place in a suitable container; remove to a safe place and dispose of through a licensed waste disposal contractor for incineration. For large scale spillage use absorbent booms to contain spillage. Wash contaminated area well with water and detergent.

#### REFERENCE TO OTHER SECTIONS

For personal protective equipment required see Section 8, for disposal information see Section 13.

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## 7 HANDLING AND STORAGE

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#### PRECAUTIONS FOR SAFE HANDLING

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

Take off immediately all contaminated clothing.

Avoid contact with skin and eyes. Use in a well-ventilated area. Avoid production of fumes or vapour; wear suitable respirators if fumes or vapour are produced. Wash contaminated clothing before reuse.

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in well closed containers away from direct sunlight, heat, and sources of ignition. Store at ambient temperature.

#### SPECIFIC END USE(S)

No specific guidance relevant.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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#### CONTROL PARAMETERS

#### COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMITS

The following components have limits set in EH/40/2005 (Second Edition, 2011):

Ethanol CAS 64-17-5, Long Term Exposure Limit (8hr TWA) 1000ppm, 1920mg/m<sup>3</sup>

#### EXPOSURE CONTROLS

#### APPROPRIATE ENGINEERING CONTROLS

Local exhaust ventilation.

#### INDIVIDUAL PROTECTION MEASURES, INCLUDING PERSONAL PROTECTIVE EQUIPMENT

#### EYE/FACE PROTECTION

Wear goggles or face-shield meeting the requirements of EN166.

#### SKIN PROTECTION

##### HAND PROTECTION

Wear protective gloves. Nitrile rubber or PVC are suitable. Wash hands thoroughly with soap and water after use.

##### OTHER BODY PROTECTION

Full overalls.

#### RESPIRATORY PROTECTION

Use an appropriate CEN approved organic vapour mask or self-contained breathing apparatus if vapour is likely to be present.

#### ENVIRONMENTAL EXPOSURE CONTROLS

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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## 9 PHYSICAL AND CHEMICAL PROPERTIES

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#### INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	A colourless to pale yellow or green mobile liquid.
b) Odour	Characteristic odour of peppermint.
c) Odour threshold	No test data.
d) pH	Typically 6.
e) Melting/freezing point	No test data.
f) Initial boiling point and boiling range	78°C
g) Flash point	23°C (Closed cup)
h) Evaporation rate	No test data.
i) Flammability (solid,gas)	Not applicable.
j) Upper/lower flammability or explosive limits	Ethanol: Lower Limit 3.5% v/v; Upper Limit 19.0%v/v
k) Vapour pressure	No test data.
l) Vapour density	No test data.
m) Relative Density	Approx. 0.92 at 20°C
n) Solubility in	Water
o) Partition coefficient: n-octanol/water	Ethanol: Log Pow = -0.32
p) Auto ignition temperature	No test data.
q) Decomposition temperature	No test data.
r) Viscosity	No test data – Mobile liquid.
s) Explosive properties	No test data.
t) Oxidizing properties	None applicable.

#### OTHER INFORMATION

None applicable.

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## 10 STABILITY AND REACTIVITY

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#### REACTIVITY

No known specific reactivity hazards.

#### CHEMICAL STABILITY

Stable under all expected conditions of storage and handling.

#### POSSIBILITY OF HAZARDOUS REACTIONS

None relevant.

#### CONDITIONS TO AVOID

None applicable.

#### INCOMPATIBLE MATERIALS

Strong oxidising agents.

#### HAZARDOUS DECOMPOSITION PRODUCTS

None applicable.

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## **11 TOXICOLOGICAL INFORMATION**

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#### INFORMATION ON TOXICOLOGICAL EFFECTS

##### ACUTE TOXICITY

Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

##### IRRITATION

Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met. However, the product may cause eye irritation on contact.

##### CORROSIVITY

Based on available data on hazardous constituents identified in Section 3, the classification criteria are not met.

##### SENSITISATION

Based on the content of Peppermint Oil, the mixture may cause skin sensitisation reactions. The mixture is not classified for respiratory sensitisation.

##### REPEATED DOSE TOXICITY

Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

##### CARCINOGENICITY

Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

##### MUTAGENICITY

Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

##### TOXICITY FOR REPRODUCTION

Based on available data on the hazardous constituents identified in Section 3, the classification criteria are not met.

##### ADDITIONAL INFORMATION

None applicable.

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**12 ECOLOGICAL INFORMATION**

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Toxicity to fish	No data available for product. One constituent is classified with respect to aquatic toxicity, but does not trigger classification of the mixture.
Toxicity to Daphnia and other aquatic invertebrates	No data available for product. One constituent is classified with respect to aquatic toxicity, but does not trigger classification of the mixture.
Toxicity to algae	No data available for product. One constituent is classified with respect to aquatic toxicity, but does not trigger classification of the mixture.

**PERSISTENCE AND DEGRADABILITY**

Based on available data on the hazardous constituents identified in Section 3, the product is expected to readily biodegrade.

**BIOACCUMULATIVE POTENTIAL**

Based on available data on the hazardous constituents identified in Section 3, the product is unlikely to bioaccumulate.

**MOBILITY IN SOIL**

For the hazardous constituents identified in Section 3:  
Ethanol is expected to have a very high mobility in soil.

**RESULTS OF PBT AND vPvB assessment**

The mixture contains no constituents which are classified as PBT OR vPvB.

**OTHER ADVERSE AFFECTS**

No information.

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**13 DISPOSAL CONSIDERATIONS**

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**WASTE TREATMENT METHODS****PRODUCT**

Dispose of product through a suitable licensed waste disposal contractor.

**CONTAMINATED PACKAGING**

Rinse containers and send for recycling.

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**14 TRANSPORT INFORMATION**

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Transport Mode	Road (ADR)	Sea (IMDG)	Air (IATA)
14.1 UN number	UN1170		
14.2 UN proper shipping name	ETHANOL SOLUTION		
14.3 Transport Hazard Class(es)	3		

14.4 Packing group	III		
14.5 Environmental hazards	None	None	None
14.6 Special precautions for user	None	None	None
Additional information	Transport Cat 3 Tunnel Code D/E Hazard Ident 33	EmS F-E, S-D	ERG Code: 3L

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## 15 REGULATORY INFORMATION

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This safety data sheet has been compiled in accordance with the requirements of Regulation (EC) No. 1907/2006.

SAEFTY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE MIXTURE

None applicable

CHEMICAL SAFETY ASSESSMENT

A chemical safety assessment has not been carried out for this product.

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## 16 OTHER INFORMATION

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CHANGES MADE IN THIS UPDATE TO THE SAFETY DATA SHEET

First Issue of the Safety Data Sheet in line with the requirements of Regulation (EC) No. 1907/2006. All sections have been updated.

REFERENCES USED IN COMPLIATION OF THIS SAFETY DATA SHEET

Regulation (EC) No. 1907/2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EC) No.1272/2008 on the Classification, labelling and packaging of substances and mixtures (CLP Regulation).

European Agreements Concerning the International Carriage of Dangerous Goods by Road (ADR) 2015 Edition

International Maritime Dangerous Goods Code 2014 Edition

IATA Dangerous Goods Regulations 56<sup>th</sup> Edition 2015

Martindale, 35<sup>th</sup> edition, pages 1462(Ethanol), 899 (Peppermint Oil).

Sax's Dangerous Properties of Industrial Materials, eighth edition, page 1572 EFU000 (Ethyl Alcohol).

C&L Inventory online, ECHA Website.

National Library of Medicine Hazardous Substances Data Bank online, entry for Ethanol, Peppermint oil.

METHODS OF EVALUATION USED FOR CLASSIFICATION OF THIS MIXTURE UNDER ARTICLE 9 OF REGULATION (EC) NO. 1272/2008

This safety data sheet has been produced using expert judgment based on the classification of constituents of this product allowed under Article 9.

FULL TEXT OF H-STATEMENTS REFERRED TO UNDER OTHER SECTIONS

H225- Highly flammable liquid and vapour

H319- Causes serious eye irritation

H317- May cause an allergic skin reaction.

H315- Causes skin irritation

H411- Toxic to aquatic life with long lasting effects.



Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet