



MATERIAL SAFETY DATA SHEET

Revision date: 29-Nov-2012

Version: 1.1

Page 1 of 9

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

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International CHEMTREC (24 hours): +1-703-527-3887

Material Name: Special Methylated Spirits 70% Pink

Trade Name:	Not applicable
Chemical Family:	Mixture
Intended Use:	Pharmaceutical product used as antiseptic, disinfectant

2. HAZARDS IDENTIFICATION

Appearance: Clear pink liquid
Signal Word: WARNING

Statement of Hazard: Flammable liquid and vapor.
Causes severe eye irritation.
Harmful if swallowed, inhaled or absorbed through the skin
May cause drowsiness or dizziness.

Additional Hazard Information:
Short Term:

May cause skin irritation. Exposure to high concentrations of gas, vapor, or mist may cause irritation. Exposure to methanol may produce headache, weakness, drowsiness, lightheadedness, nausea, vomiting, drunkenness, loss of coordination, difficulty breathing, unconsciousness, and coma. Visual effects including blurred vision, double vision, changes in color perception, and blindness may also occur. Severe poisoning may cause liver damage and/or death. Effects may be immediate or delayed.

EU Indication of danger: Flammable
Harmful

EU Hazard Symbols:
F Xn



EU Risk Phrases:

R11 - Highly flammable.
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
R68/20/21/22 - Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 2 of 9
Version: 1.1

2. HAZARDS IDENTIFICATION

Australian Hazard Classification (NOHSC): Dangerous Goods. Hazardous Substance.

Note: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	%
Methyl alcohol	67-56-1	200-659-6	F;R11 T;R23/24/25- 39/23/24/25	1-10
ETHANOL	64-17-5	200-578-6	F;R11	60-100

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	%
Water	7732-18-5	231-791-2	Not Listed	*
Carmoisine red E122	3567-69-9	222-657-4	Not Listed	0-0.1

Additional Information: * Proprietary
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes. If irritation occurs or persists, get medical attention. Wash skin with soap and water.

Ingestion: Ingestion can cause blindness if not attended to promptly. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Inhalation: Remove to fresh air and keep patient at rest. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide, dry chemical or foam.

Hazardous Combustion Products: Carbon monoxide and carbon dioxide

Fire Fighting Procedures: During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

Fire / Explosion Hazards: Flammable liquid and vapor Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 3 of 9
Version: 1.1

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions:	Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure. Eliminate all sources of ignition and ventilate area using explosion-proof equipment.
Measures for Cleaning / Collecting:	Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.
Measures for Environmental Protections:	Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.
Additional Consideration for Large Spills:	Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

7. HANDLING AND STORAGE

General Handling:	Use only in a well-ventilated area. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Keep away from heat, sparks, flame and all other sources of ignition. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.
Storage Conditions:	Store as directed by product packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to available public information for specific member state Occupational Exposure Limits.

Methyl alcohol

ACGIH Threshold Limit Value (TWA)	200 ppm
ACGIH Threshold Limit Value (STEL)	250 ppm
ACGIH - Biological Exposure Limit:	15 mg/L
ACGIH - Skin Absorption Designation	Skin - potential significant contribution to overall exposure by the cutaneous route
Australia STEL	250 ppm 328 mg/m ³
Australia TWA	200 ppm 262 mg/m ³
Austria OEL - MAKs	200 ppm 260 mg/m ³
Belgium OEL - TWA	200 ppm 266 mg/m ³
Bulgaria OEL - TWA	260.0 mg/m ³
Cyprus OEL - TWA	200 ppm 260 mg/m ³
Czech Republic OEL - TWA	250 mg/m ³
Denmark OEL - TWA	200 ppm 260 mg/m ³
Estonia OEL - TWA	200 ppm 250 mg/m ³

MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 4 of 9
Version: 1.1

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Finland OEL - TWA	200 ppm 270 mg/m ³
France OEL - TWA	200 ppm 260 mg/m ³
Germany - TRGS 900 - TWAs	200 ppm 270 mg/m ³
Germany (DFG) - MAK	200 ppm 270 mg/m ³
Germany - Biological Exposure Limit:	30 mg/L
Greece OEL - TWA	200 ppm 260 mg/m ³
Hungary OEL - TWA	260 mg/m ³
Ireland OEL - TWAs	200 ppm 260 mg/m ³
Italy OEL - TWA	200 ppm 260 mg/m ³
Latvia OEL - TWA	200 ppm 260 mg/m ³
Lithuania OEL - TWA	200 ppm 260 mg/m ³
Luxembourg OEL - TWA	200 ppm 260 mg/m ³
Malta OEL - TWA	200 ppm 260 mg/m ³
Netherlands OEL - TWA	133 mg/m ³ 100 ppm
OSHA - Final PELs - TWAs:	200 ppm 260 mg/m ³
Poland OEL - TWA	100 mg/m ³
Portugal OEL - TWA	200 ppm
Romania OEL - TWA	200 ppm 260 mg/m ³
Romania - Biological Exposure Limit:	6 mg/L
Slovakia OEL - TWA	200 ppm 260 mg/m ³
Slovak Republic - Biological Exposure Limit:	30 mg/L
Slovenia OEL - TWA	200 ppm 260 mg/m ³
Spain OEL - TWA	200 ppm 266 mg/m ³
Spain - Biological Exposure Limit:	15 mg/L
Sweden OEL - TWAs	200 ppm 250 mg/m ³

ETHANOL

ACGIH Threshold Limit Value (STEL)	1000 ppm
Australia TWA	1000 ppm 1880 mg/m ³
Austria OEL - MAKs	1000 ppm 1900 mg/m ³
Belgium OEL - TWA	1000 ppm 1907 mg/m ³
Bulgaria OEL - TWA	1000.0 mg/m ³

MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 5 of 9
Version: 1.1

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Czech Republic OEL - TWA	1000 mg/m ³
Denmark OEL - TWA	1000 ppm
	1900 mg/m ³
Estonia OEL - TWA	500 ppm
	1000 mg/m ³
Finland OEL - TWA	1000 ppm
	1900 mg/m ³
France OEL - TWA	1000 ppm
	1900 mg/m ³
Germany - TRGS 900 - TWAs	500 ppm
	960 mg/m ³
Germany (DFG) - MAK	500 ppm
	960 mg/m ³
Greece OEL - TWA	1000 ppm
	1900 mg/m ³
Hungary OEL - TWA	1900 mg/m ³
Latvia OEL - TWA	1000 mg/m ³
Lithuania OEL - TWA	500 ppm
	1000 mg/m ³
Netherlands OEL - TWA	260 mg/m ³
OSHA - Final PELs - TWAs:	1000 ppm
	1900 mg/m ³
Poland OEL - TWA	1900 mg/m ³
Portugal OEL - TWA	1000 ppm
Romania OEL - TWA	1000 ppm
	1900 mg/m ³
Slovakia OEL - TWA	500 ppm
	960 mg/m ³
Slovenia OEL - TWA	1000 ppm
	1900 mg/m ³
Spain OEL - TWA	1000 ppm
	1910 mg/m ³
Sweden OEL - TWAs	500 ppm
	1000 mg/m ³

Engineering Controls:

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

Environmental Exposure Controls:

Refer to specific Member State legislation for requirements under Community environmental legislation.

Personal Protective Equipment:

Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

Hands:

Wear impervious gloves.

Eyes:

Wear safety glasses or goggles if eye contact is possible.

Skin:

Wear protective clothing when working with large quantities.

Respiratory protection:

If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 6 of 9
Version: 1.1

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Color:	Pink
Odor:	Alcohol	Molecular Formula:	Mixture
Molecular Weight:	Mixture		

Water Solubility:	Soluble
Boiling Point (°C):	78.5 based on major component Ethanol
Vapor Pressure (kPa):	7.91 (Ethanol)
Vapor Density (g/ml):	1.59 (Ethanol)

Flash Point (Liquid) (°C):	12.8 Closed cup based on major component (Ethanol)
Upper Explosive Limits (Liquid) (% by Vol.):	19
Lower Explosive Limits (Liquid) (% by Vol.):	3.3
Polymerization:	Will not occur

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Keep away from heat, spark, flames and all other sources of ignition.
Incompatible Materials:	Strong oxidizing agents and strong inorganic acids

11. TOXICOLOGICAL INFORMATION

General Information: There are no data for this formulation. The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity: (Species, Route, End Point, Dose)

Methyl alcohol

Rat Oral LD50 5628 mg/kg
Rat Inhalation LC50/4h 64000 ppm

ETHANOL

Rat Oral LD 50 7060 mg/kg
Mouse Oral LD 50 3450 mg/kg
Rat Inhalation LC 50 20000 ppm/10H
Mouse Inhalation LC 50 39 gm/m³/4h

Irritation / Sensitization: (Study Type, Species, Severity)

Methyl alcohol

Skin Irritation Rabbit Moderate
Eye Irritation Rabbit Moderate

ETHANOL

Eye Irritation Rabbit Severe
Skin Irritation Rabbit Mild

Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 7 of 9
Version: 1.1

11. TOXICOLOGICAL INFORMATION

Methyl alcohol

Prenatal & Postnatal Development	Rat	Inhalation	20,000 ppm	LOAEL	Developmental toxicity, Maternal toxicity
Prenatal & Postnatal Development	Mouse	Inhalation	1,000 ppm	NOAEL	Developmental toxicity

Carcinogen Status: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

ETHANOL

IARC: Group 1 (Carcinogenic to Humans)
OSHA: Listed

Carmoisine red E122

IARC: Group 3 (Not Classifiable)

12. ECOLOGICAL INFORMATION

Environmental Overview: The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided.

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Methyl alcohol

Pimephales promelas (Fathead Minnow) LC50 96 Hours 29.4 mg/L

ETHANOL

<i>Oncorhynchus mykiss</i> (Rainbow Trout)	NPDES	LC-50	96 Hours	12900 mg/L
Fingerling Trout	NPDES	LC-50	24 Hours	11200 mg/L
Fathead Minnow	NPDES	LC-50	96 Hours	14200 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

Methyl alcohol

RCRA - U Series Wastes Listed

14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

This material is regulated for transport under DOT, ADR, IMDG, and IATA regulations.

UN number: UN 1993
UN proper shipping name: Flammable liquid, n.o.s.,
Technical Shipping Name: (Ethanol, Methanol)
Transport hazard class(es): 3

MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 8 of 9
Version: 1.1

Packing group: II
Flash Point (°C): 12.8

Limited Quantity Exceptions apply to small quantities packed in combination packaging. See applicable modal regulations for specific limitations.

IMDG IMDG

IMDG UN / ID No: UN 1993
IMDG Proper shipping name: Flammable Liquid, n.o.s. (Ethanol, Methanol)
IMDG Hazard Class: 3
IMDG Packing Group: II
Flash Point (°C): 12.8

15. REGULATORY INFORMATION

EU Symbol: F Xn
EU Indication of danger: Flammable
Harmful

EU Risk Phrases:

R11 - Highly flammable.
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
R68/20/21/22 - Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

EU Safety Phrases:

S16 - Keep away from sources of ignition - No smoking.
S28 - After contact with skin, wash immediately with plenty of water.
S36/37 - Wear suitable protective clothing and gloves.

OSHA Label:

WARNING
Flammable liquid and vapor.
Causes severe eye irritation.
Harmful if swallowed, inhaled or absorbed through the skin
May cause drowsiness or dizziness.

Canada - WHMIS: Classifications

WHMIS hazard class:

Class B, Division 2
Class D, Division 2, Subdivision B



MATERIAL SAFETY DATA SHEET

Material Name: Special Methylated Spirits 70% Pink
Revision date: 29-Nov-2012

Page 9 of 9
Version: 1.1

15. REGULATORY INFORMATION

Methyl alcohol

CERCLA/SARA 313 Emission reporting	1.0 %
CERCLA/SARA Hazardous Substances and their Reportable Quantities:	5000 lb 2270 kg
California Proposition 65	Developmental toxicity initial date 3/16/12
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
Standard for the Uniform Scheduling for Drugs and Poisons:	Schedule 5 Schedule 6
EU EINECS/ELINCS List	200-659-6

Water

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
REACH - Annex IV - Exemptions from the obligations of Register:	Present
EU EINECS/ELINCS List	231-791-2

ETHANOL

California Proposition 65	carcinogen initial date 4/29/11 developmental toxicity initial date 10/1/87
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	200-578-6

Carmoisine red E122

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS/ELINCS List	222-657-4

16. OTHER INFORMATION

Text of R phrases mentioned in Section 3

R11 - Highly flammable.

R39/26/27/28 - Very toxic: danger of very serious orreversible effects through inhalation, in contact with skin and if swallowed.

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

Data Sources: Publicly available toxicity information.

Reasons for Revision: Updated Section 3 - Composition / Information on Ingredients. Updated Section 14 - Transport Information. Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 7 - Handling and Storage.

Prepared by: Product Stewardship Hazard Communication
Pfizer Global Environment, Health, and Safety Operations

Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.

End of Safety Data Sheet