

SAFETY DATA SHEET

This Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS) and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

1. Product and Supplier Identification

Product: MERCON™ TAINER

Product Use: Mercury waste and/or scrap dental amalgam storage container.

Manufacturer: Ross Healthcare Inc
6-1520 Cliveden Ave
Delta, BC, Canada, V3M 6J8
Emergency Telephone (800) 663-8303

US Supplier: Ross Healthcare Inc
145 Tye Drive, #161
Pt Roberts, WA, USA, 98281
Emergency Telephone Number (800) 663-8303

2. Composition

Component	% (w/w)	Exposure Limits (ACGIH)	LD ₅₀	LC ₅₀
1,2 Propylene Glycol CAS No. 57-55-6	35-45	Not Established	20-33.7 g/kg (oral/rat) 20.8 g/kg (dermal/rabbit]	Not established
Non hazardous ingredients or those below disclosure requirements	45-55	Not Applicable	Not Applicable	Not Applicable

*Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

*ACGIH – American Conference of Government Industrial Hygienists

3. Hazards Identification

Routes of entry

Skin Contact: Yes Skin Absorption: No Eye Contact: Yes Ingestion: Yes Inhalation: Yes

Emergency overview: High vapor concentrations may cause headaches, nausea, dizziness, in coordination and confusion. Aspiration hazard, if ingested. Possible reproductive hazard.

Acute health Effects: It is unlikely that contact with skin will result in any ill effects. Direct contact with eyes may produce a mild transient irritation. Although ingestion is not a typical route of entry, consumption may be a possible reproduction hazard. Should the product be atomized and the inhaled, upper respiratory irritation may occur causing coughing. These effects are transient and will subside if the source of irritation is removed.

Chronic Health Effects: For persons who have sensitive skin, or who are pre-disposed to skin problems, prolonged contact may result in minor rash.

4. First Aid Measures

EYE CONTACT: Flush contaminated eye(s) with lukewarm, gently running water for 15 minutes, holding eyelids open. Seek medical attention if irritation persists.

SKIN CONTACT: Wash affected area immediately with mild soap and water and continue for 15 minutes. If irritation persists, seek immediate medical attention. Remove any contaminated clothing and launder clothing before reuse.

INHALATION: This is an unlikely route of entry, but if victim has been exposed to mist or vapors, remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get medical attention immediately.

INGESTION: Do not induce vomiting. Give 240-300 ml of water to dilute material. If vomiting occurs naturally, have victim lean forward with head between knees to reduce risk of aspiration. Seek medical attention.

5. Fire Fighting Measures

Flash point:	Not Flammable
Auto-ignition temperature	Not Flammable
Lower Explosive Limit:	Not Available
Upper Explosion Limit:	Not Available
Sensitivity to Impact:	Not sensitive
Sensitive to Static Discharge	Not Sensitive

Hazardous Combustion Products: Upon dryness, hazardous combustion products may result in the evolution of small amounts of oxides of carbon, aldehydes, and/or ketones.

Extinguishing Media: This product is combustible. Use carbon dioxide, dry chemical or appropriate foam. Water spray may be used to cool surrounding containers.

Fire Fighting Instructions: Evacuate area and fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Do not enter confined fire space without proper person protection. Use approved positive pressure self-contained breathing apparatus. If possible, isolate materials not yet involved in the fire, and move containers from fire area if this can be done without risk, and protect personnel. Otherwise, fire-exposed containers or tanks should be cooled by application of hose streams and this should begin as soon as possible and should concentrate on any unwetted portions of the container.

6. Accidental Release

Personal Protection: See Section 8 for proper protective equipment to be worn while cleaning an accidental spill.

Environmental Precautions: Not expected to have any environmental impact.

Cleanup Procedures: Small spill of this product are not expected to have any detrimental environmental effects, but caution should be taken to prevent larger spills from entering waterways. Absorb spill onto inert medium and place into proper containers for disposal. Thoroughly flush residue with water.

7. Handling and Storage

Handling Procedures: Keep container tightly closed when not in use. Launder clothing before reuse. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Keep from freezing.

Storage: Store in cool, dry place and in an upright position to prevent leakage.

8. Exposure Controls, Personal Protection

Engineering Controls: Under manufacturers recommended use, no particular controls necessary.

Respiratory Protection: Not necessary if used as recommended, but if product is atomized or heated to vaporize the isopropyl alcohol, at a minimum use a NIOSH approved organic vapor respirator.

Skin Protection: If predisposed to skin problems, it is recommended that any chemically impervious gloves and/or clothing be used. Barrier cream may be used if contact is sporadic.

Eye and Face Protection: Using chemical splash-proof goggles is recommended.

Footwear: As required by worksite rules.

Other: Eye wash station should be located near work area.

9. Physical and Chemical Properties

Appearance:	Storage container with wet sponge inside	Critical Temperature	Not Available
Odor:	None	Relative Density:	Not Available
Odor Threshold:	Not Available	Partition Coefficient:	Not Available
pH	7.0	Evaporation Rate:	Not Available
Vapor Pressure:	Not Available	Freezing Point:	Not Available
Solubility:	Not Available	Boiling Point:	Not Available
Vapor Density:	Not Available		Not Available

10. Stability and Reactivity

Chemical Stability and Reactivity: Product is stable.

Incompatibility: Avoid contact with isocyanates, strong oxidizers, and mineral acids such as nitric acid, carbides, aluminum, chlorine dioxide bleaches.

Hazardous Decomposition Products: Ammonia, iodine gas, aldehydes, and/or ketones.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. Toxicological Information

Acute Exposure: Theoretical oral LD₅₀ for the product is greater than 25g/kg (oral/rat)/ The LD₅₀ (dermal) has not been determined.

Chronic Exposure:	See Section 3.
Exposure Limits:	See Section 2.
Irritancy:	See Section 3.
Sensitization:	See Section 3.
Carcinogenicity:	Not Available
Teratogenicity:	Not Available
Reproductive toxicity:	Not Available
Mutagenicity:	Not Available
Synergistic products	Not Available

12. Ecological Information

Environmental toxicity: No data available.

Biodegradability: No data available.

13. Disposal Considerations

Canadian Environmental Protection Act: All ingredients are listed on the Canadian DSL and the US Toxic Substances Control Act (TSCA). Dispose according to all local, provincial or state and federal requirements.

14. Transport Information

Canadian Transportation of Dangerous Good Regulations: As per Part 1.33 of the Canadian Transportation of Dangerous Goods Regulations (TDG), this product is exempt for transport if shipped in small means of containment. If shipped in a large means of containment, use the below listed classification.

United States Department of Transportation: As per CFR 49, 173.150(f)(2) of the United States transportation regulations, this product is exempt from the requirements of the above regulation if shipped in non-bulk. If shipped in bulk, use the below listed classification.

International Air Transportation Association (IATA): Not Regulated

International Maritime Organization (IMO): Not Regulated

15. Regulatory Information

Canadian Federal Regulations:

Canadian Environmental Protection Act: All ingredients are on the Domestic Substances List
SHMIS Classification: B3, D2B

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
OSHA, 29CFR 1910, Subpart Z: Meets the criteria for a hazardous substance

CERCLA, 40 CFR 302: No components listed

SARA 302, 40 CFR 355, No components listed

SARA 313 40 CFR 372: No components listed

SARA 311/312, 40 CFR 370: Meets criteria

16. Other Information

Original Preparation Date: January 12, 2015

Comments: This Safety Data Sheet was prepared using information provided by Ross Healthcare Inc. and CCINFO. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Ross Healthcare expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this msds does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of Ross Healthcare.

Revisions: January 12, 2015

SAFETY DATA SHEET

This Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS) and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

1. Product and Supplier Identification

Product: MERCON™ SPRAY

Product Use: Mercury vapor suppressant

Manufacturer: **Ross Healthcare Inc. Inc**
6-1520 Cliveden Ave
Delta, BC, Canada, V3M 6J8
Emergency Telephone (800) 663-8303

US Supplier: **Ross Healthcare Inc**
145 Tye Drive, #161
Pt Roberts, WA, USA, 98281
Emergency Telephone Number (800) 663-8303

2. Composition

Component	% (w/w)	Exposure Limits (ACGIH)	LD ₅₀	LC ₅₀
1,2 Propylene Glycol CAS No. 57-55-6	50-65	Not Established	20-33.7 g/kg (oral/rat) 20.8 g/kg (dermal/rabbit]	Not established
Isopropyl Alcohol CAS No 67-63-0	8-10	TLV-TWA: 200 ppm, Carcinogen A4, Not classifiable as a human carcinogen	4720 mg/kg (oral/rat)	17000ppm (rat/4-hr exposure)
Non hazardous ingredients or thos below disclosure requirements	25-42	Not Applicable	Not Applicable	Not Applicable

*Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

*ACGIH – American Conference of Government Industrial Hygienists

3. Hazards Identification

Routes of entry

Skin Contact: Yes Skin Absorption: No Eye Contact: Yes Ingestion: Yes Inhalation: Yes

Emergency overview: High vapor concentrations may cause headaches, nausea, dizziness, in coordination and confusion. Aspiration hazard, if ingested. Possible reproductive hazard.

Acute health Effects: It is unlikely that contact with skin result in any ill effects. Direct contact with eyes may produce a mild transient irritation. Although ingestion is not a typical route of entry, consumption may be a possible reproduction hazard. Ingestion of large quantities may cause minor gastrointestinal discomfort. This product contains a small amount of isopropyl alcohol which if inhaled in high concentrations may cause headache, nausea, dizziness, in coordination and confusion. Should the product be atomized and the inhaled, upper respiratory irritation may occur causing coughing. These effects are transient and will subside if the source of irritation is removed.

Chronic Health Effects: For persons who have sensitive skin, or who are pre-disposed to skin problems, prolonged contact may result in minor rash. Chronic exposure to isopropyl alcohol may be a reproduction hazard. No other chronic health effects anticipated.

4. First Aid Measures

EYE CONTACT: Flush contaminated eye(s) with lukewarm, gently running water for 15 minutes, holding eyelids open. Seek medical attention if irritation persists.

SKIN CONTACT: Wash affected area immediately with mild soap and water and continue for 15 minutes. If irritation persists, seek immediate medical attention. Remove any contaminated clothing and launder clothing before reuse.

INHALATION: This is an unlikely route of entry, but if victim has been exposed to mist or vapors, remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get medical attention immediately.

INGESTION: Do not induce vomiting. Give 240-300 ml of water to dilute material. If vomiting occurs naturally, have victim lean forward with head between knees to reduce risk of aspiration. Seek medical attention.

5. Fire Fighting Measures

Flash point:	42° C PMCC
Autoignition temperature	399° C
Lower Explosive Limit:	2% (isopropanol)
Upper Explosion Limit:	12% (isopropanol)
Sensitivity to Impact:	Not sensitive
Sensitive to Static Discharge	Not Sensitive

Hazardous Combustion Products: Upon dryness, hazardous combustion products may result in the evolution of small amounts of oxides of carbon, aldehydes, and/or ketones.

Extinguishing Media: This product is combustible. Use carbon dioxide, dry chemical or appropriate foam. Water spray may be used to cool surrounding containers.

Fire Fighting Instructions: Evacuate area and fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Do not enter confined fire space without proper person protection. Use approved positive pressure self-contained breathing apparatus. If possible, isolate materials not yet involved in the fire, and move containers from fire area if this can be done without risk, and protect personnel. Otherwise, fire-exposed containers or tanks should be cooled by application of hose streams and this should begin as soon as possible and should concentrate on any unwetted portions of the container.

6. Accidental Release

Personal Protection: See Section 8 for proper protective equipment to be worn while cleaning an accidental spill.

Environmental Precautions: Not expected to have any environmental impact.

Cleanup Procedures: Small spill of this product are not expected to have any detrimental environmental effects, but caution should be taken to prevent larger spills from entering waterways. Absorb spill onto inert medium and place into proper containers for disposal. Thoroughly flush residue with water.

7. Handling and Storage

Handling Procedures: Keep container tightly closed when not in use. Launder clothing before reuse. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Keep from freezing.

Storage: Store in cool, dry place and in an upright position to prevent leakage.

8. Exposure Controls, Personal Protection

Engineering Controls: Under manufacturers recommended use, no particular controls necessary.

Respiratory Protection: Not necessary if used as recommended, but if product is atomized or heated to vaporize the isopropyl alcohol, at a minimum use a NIOSH approved organic vapor respirator.

Skin Protection: If predisposed to skin problems, it is recommended that any chemically impervious gloves and/or clothing be used. Barrier cream may be used if contact is sporadic.

Eye and Face Protection: Using chemical splash-proof goggles is recommended.

Footwear: As required by worksite rules.

Other: Eye wash station should be located near work area.

9. Physical and Chemical Properties

Appearance:	Brown Liquid	Critical Temperature	Not available
Odor:	Slight Alcohol	Relative Density:	1.1 @ 24°C (water=1)
Odor Threshold:	Not Available	Partition Coefficient:	Not Available
pH	Not Available	Evaporation Range:	Not Available
Vapor Pressure:	Not Available	Freezing Point:	Not Available
Solubility:	Soluble in Water in all concentrations	Boiling Point:	Not Available
Vapor Density:	Not Available		Not Available

10. Stability and Reactivity

Chemical Stability and Reactivity: Product is stable.

Incompatibility: Avoid contact with isocyanates, strong oxidizers, and mineral acids such as nitric acid, carbides, aluminum, chlorine dioxide bleaches.

Hazardous Decomposition Products: Ammonia, iodine gas, aldehydes, and/or ketones.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. Toxicological Information

Acute Exposure: Theoretical oral LD₅₀ for the product is greater than 25g/kg (oral/rat)/ The LD₅₀ (dermal) has not been determined.

Chronic Exposure:	See Section 3.
Exposure Limits:	See Section 2.
Irritancy:	See Section 3.
Sensitization:	See Section 3.
Carcinogenicity:	Not Available
Teratogenicity:	Not Available
Reproductive toxicity:	Isopropyl alcohol has been linked to reproductive toxicity, based on animal studies.
Mutagenicity:	Not Available
Synergistic products	Isopropyl alcohol has increased the liver toxicity of chemicals such as carbon tetrachloride, chloroform, trichloroethylene, bromodichloromethane, 1,1,2-trichloroethane, and nitrosodimethylamine.

12. Ecological Information

Environmental toxicity: No data available.

Biodegradability: No data available.

13. Disposal Considerations

Canadian Environmental Protection Act: All ingredients are listed on the Canadian DSL and the US Toxic Substances Control Act (TSCA). Dispose according to all local, provincial or state and federal requirements.

14. Transport Information

Canadian Transportation of Dangerous Goods Regulations: As per Part 1.33 of the Canadian Transportation of Dangerous Goods Regulations (TDG), this product is exempt for transport if shipped in small means of containment. If shipped in a large means of containment, use the below listed classification.

United States Department of Transportation: As per CFR 49, 173.150(f)(2) of the United States transportation regulations, this product is exempt from the requirements of the above regulation if shipped in non-bulk. If shipped in bulk, use the below listed classification.

International Air Transportation Association (IATA): UN1993, FLAMMABLE LIQUID, N.O.S. (Isopropanol), Class 3, PG III

International Maritime Organization (IMO): UN1993, Flammable liquids, n.o.s. (Isopropanol), Class 3, PG III, Flash Point = 42°C, EmS No. F-E, S-E, Stowage Category "A"

15. Regulatory Information

Canadian Federal Regulations:

Canadian Environmental Protection Act: All ingredients are on the Domestic Substances List
SHMIS Classification: B3, D2B

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
OSHA, 29CFR 1910, Subpart Z: Meets the criteria for a hazardous substance

CERCLA, 40 CFR 302: No components listed

SARA 302, 40 CFR 355, No components listed

SARA 313 40 CFR 372: No components listed

SARA 311/312, 40 CFR 370: Meets criteria

16. Other Information

Original Preparation Date: January 12, 2015

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Revisions: January 12, 2015

SAFETY DATA SHEET

This Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS) and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

1. Product and Supplier Identification

Product: MERCON™ VAP

Product Use: Mercury vapor suppressant

Manufacturer: Ross Healthcare Inc
6-1520 Cliveden Ave
Delta, BC, Canada, V3M 6J8
Emergency Telephone (800) 663-8303

US Supplier: Ross Healthcare Inc
145 Tye Drive, #161
Pt Roberts, WA, USA, 98281
Emergency Telephone Number (800) 663-8303

2. Hazards Identification

Routes of entry

Skin Contact: Yes Skin Absorption: No Eye Contact: Yes Ingestion: Yes Inhalation: Yes

Emergency overview: High vapor concentrations may cause headaches, nausea, dizziness, in coordination and confusion. Aspiration hazard, if ingested. Possible reproductive hazard.

Acute health Effects: It is unlikely that contact with skin result in any ill effects. Direct contact with eyes may produce a mild transient irritation. Although ingestion is not a typical route of entry, consumption may be a possible reproduction hazard. Ingestion of large quantities may cause minor gastrointestinal discomfort. This product contains a small amount of isopropyl alcohol which if inhaled in high concentrations may cause headache, nausea, dizziness, in coordination and confusion. Should the product be atomized and the inhaled, upper respiratory irritation may occur causing coughing. These effects are transient and will subside if the source of irritation is removed.

Chronic Health Effects: For persons who have sensitive skin, or who are pre-disposed to skin problems, prolonged contact may result in minor rash. Chronic exposure to isopropyl alcohol may be a reproduction hazard. No other chronic health effects anticipated.

3. Composition

Component	% (w/w)	Exposure Limits (ACGIH)	LD ₅₀	LC ₅₀
1,2 Propylene Glycol CAS No. 57-55-6	50-65	Not Established	20-33.7 g/kg (oral/rat) 20.8 g/kg (dermal/rabbit)	Not established
Isopropyl Alcohol CAS No 67-63-0	8-10	TLV-TWA: 200 ppm, Carcinogen A4,	4720 mg/kg (oral/rat)	17000ppm (rat/4-hr exposure)

		Not classifiable as a human carcinogen		
Non hazardous ingredients or those below disclosure requirements	25-42	Not Applicable	Not Applicable	Not Applicable

*Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

*ACGIH – American Conference of Government Industrial Hygienists

4. First Aid Measures

EYE CONTACT: Flush contaminated eye(s) with lukewarm, gently running water for 15 minutes, holding eyelids open. Seek medical attention if irritation persists.

SKIN CONTACT: Wash affected area immediately with mild soap and water and continue for 15 minutes. If irritation persists, seek immediate medical attention. Remove any contaminated clothing and launder clothing before reuse.

INHALATION: This is an unlikely route of entry, but if victim has been exposed to mist or vapors, remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get medical attention immediately.

INGESTION: Do not induce vomiting. Give 240-300 ml of water to dilute material. If vomiting occurs naturally, have victim lean forward with head between knees to reduce risk of aspiration. Seek medical attention.

5. Fire Fighting Measures

Flash point:	42°C PMCC
Auto-ignition temperature	399°C
Lower Explosive Limit:	2% (isopropanol)
Upper Explosion Limit:	12% (isopropanol)
Sensitivity to Impact:	Not sensitive
Sensitive to Static Discharge	Not Sensitive

Hazardous Combustion Products: Upon dryness, hazardous combustion products may result in the evolution of small amounts of oxides of carbon, aldehydes, and/or ketones.

Extinguishing Media: This product is combustible. Use carbon dioxide, dry chemical or appropriate foam. Water spray may be used to cool surrounding containers.

Fire Fighting Instructions: Evacuate area and fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Do not enter confined fire space without proper person protection. Use approved positive pressure self-contained breathing apparatus. If possible, isolate materials not yet involved in the fire, and move containers from fire area if this can be done without risk, and protect personnel. Otherwise, fire-exposed containers or tanks should be cooled by application of hose streams and this should begin as soon as possible and should concentrate on any unwetted portions of the container.

6. Accidental Release

Personal Protection: See Section 8 for proper protective equipment to be worn while cleaning an accidental spill.

Environmental Precautions: Not expected to have any environmental impact.

Cleanup Procedures: Small spill of this product are not expected to have any detrimental environmental effects, but caution should be taken to prevent larger spills from entering waterways. Absorb spill onto inert medium and place into proper containers for disposal. Thoroughly flush residue with water.

7. Handling and Storage

Handling Procedures: Keep container tightly closed when not in use. Launder clothing before reuse. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Keep from freezing.

Storage: Store in cool, dry place and in an upright position to prevent leakage.

8. Exposure Controls, Personal Protection

Engineering Controls: Under manufacturers recommended use, no particular controls necessary.

Respiratory Protection: Not necessary if used as recommended, but if product is atomized or heated to vaporize the isopropyl alcohol, at a minimum use a NIOSH approved organic vapor respirator.

Skin Protection: If predisposed to skin problems, it is recommended that any chemically impervious gloves and/or clothing be used. Barrier cream may be used if contact is sporadic.

Eye and Face Protection: Using chemical splash-proof goggles is recommended.

Footwear: As required by worksite rules.

Other: Eye wash station should be located near work area.

9. Physical and Chemical Properties

Appearance:	Brown Liquid	Critical Temperature	Not available
Odor:	Slight Alcohol	Relative Density:	1.1 @ 24°C (water=1)
Odor Threshold:	Not Available	Partition Coefficient:	Not Available
pH	Not Available	Evaporation Range:	Not Available
Vapor Pressure:	Not Available	Freezing Point:	Not Available
Solubility:	Soluble in Water in all concentrations	Boiling Point:	Not Available
Vapor Density:	Not Available		Not Available

10. Stability and Reactivity

Chemical Stability and Reactivity: Product is stable.

Incompatibility: Avoid contact with isocyanates, strong oxidizers, and mineral acids such as nitric acid, carbides, aluminum, chlorine dioxide bleaches.

Hazardous Decomposition Products: Ammonia, iodine gas, aldehydes, and/or ketones.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. Toxicological Information

Acute Exposure: Theoretical oral LD₅₀ for the product is greater than 25g/kg (oral/rat)/ The LD₅₀ (dermal) has not been determined.

Chronic Exposure:	See Section 3.
Exposure Limits:	See Section 2.
Irritancy:	See Section 3.
Sensitization:	See Section 3.
Carcinogenicity:	Not Available
Tetratogenicity:	Not Available
Reproductive toxicity:	Isopropyl alcohol has been linked to reproductive toxicity, based on animal studies.
Mutagenicity:	Not Available
Synergistic products	Isopropyl alcohol has increased the liver toxicity of chemicals such as carbon tetrachloride, chloroform, trichloroethylene, bromodichloromethane, 1,1,2-trichloroethane, and nitrosodimethylamine.

12. Ecological Information

Environmental toxicity: No data available.

Biodegradability: No data available.

13. Disposal Considerations

Canadian Environmental Protection Act: All ingredients are listed on the Canadian DSL and the US Toxic Substances Control Act (TSCA). Dispose according to all local, provincial or state and federal requirements.

14. Transport Information

Canadian Transportation of Dangerous Goods Regulations: As per Part 1.33 of the Canadian Transportation of Dangerous Goods Regulations (TDG), this product is exempt for transport if shipped in small means of containment. If shipped in a large means of containment, use the below listed classification.

United States Department of Transportation: As per CFR 49, 173.150(f)(2) of the United States transportation regulations, this product is exempt from the requirements of the above regulation if shipped in non-bulk. If shipped in bulk, use the below listed classification.

International Air Transportation Association (IATA): UN1993, FLAMMABLE LIQUID, N.O.S. (Isopropanol), Class 3, PG III

International Maritime Organization (IMO): UN1993, Flammable liquids, n.o.s. (Isopropanol), Class 3, PG III, Flash Point = 42°C, EmS No. F-E, S-E, Stowage Category "A"

15. Regulatory Information

Canadian Federal Regulations:

Canadian Environmental Protection Act: All ingredients are on the Domestic Substances List
SHMIS Classification: B3, D2B

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
OSHA, 29CFR 1910, Subpart Z: Meets the criteria for a hazardous substance

CERCLA, 40 CFR 302: No components listed

SARA 302, 40 CFR 355, No components listed

SARA 313 40 CFR 372: No components listed

SARA 311/312, 40 CFR 370: Meets criteria

16. Other Information

Original Preparation Date: January 7, 2015

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Revisions: January 7, 2015

SAFETY DATA SHEET

This Safety Data Sheet meets or exceeds the requirements of the Canadian Controlled Product Regulations (WHMIS) and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

1. Product and Supplier Identification

Product: MERCON™ WIPES

Product Use: Mercury vapor suppressant towelettes

Manufacturer: Ross Healthcare Inc
6-1520 Cliveden Ave
Delta, BC, Canada, V3M 6J8
Emergency Telephone (800) 663-8303

US Supplier: Ross Healthcare Inc
145 Tye Drive, #161
Pt Roberts, WA, USA, 98281
Emergency Telephone Number (800) 663-8303

2. Hazards Identification

Routes of entry

Skin Contact: Yes Skin Absorption: No Eye Contact: Yes Ingestion: Yes Inhalation: Yes

Emergency overview: High vapor concentrations may cause headaches, nausea, dizziness, in coordination and confusion. Aspiration hazard, if ingested. Possible reproductive hazard.

Acute health Effects: It is unlikely that contact with skin will result in any ill effects. Direct contact with eyes may produce a mild transient irritation. Although ingestion is not a typical route of entry, consumption may be a possible reproduction hazard. Ingestion of large quantities may cause minor gastrointestinal discomfort. This product contains a small amount of isopropyl alcohol which if inhaled in high concentrations may cause headache, nausea, dizziness, in coordination and confusion. Should the product be atomized and the inhaled, upper respiratory irritation may occur causing coughing. These effects are transient and will subside if the source of irritation is removed.

Chronic Health Effects: For persons who have sensitive skin, or who are pre-disposed to skin problems, prolonged contact may result in minor rash. Chronic exposure to isopropyl alcohol may be a reproduction hazard. No other chronic health effects anticipated.

3. Composition

Component	% (w/w)	Exposure Limits (ACGIH)	LD ₅₀	LC ₅₀
1,2 Propylene Glycol CAS No. 57-55-6	35-45	Not Established	20-33.7 g/kg (oral/rat) 20.8 g/kg (dermal/rabbit]	Not established
Isopropyl Alcohol CAS No 67-63-0	8-10	TLV-TWA: 200 ppm, Carcinogen A4,	4720 mg/kg (oral/rat)	17000ppm (rat/4-hr exposure)

		Not classifiable as a human carcinogen		
Non hazardous ingredients or those below disclosure requirements	45-55	Not Applicable	Not Applicable	Not Applicable

*Exposure limits may vary from time to time and from one jurisdiction to another. Check with local regulatory agency for the exposure limits in your area.

*ACGIH – American Conference of Government Industrial Hygienists

4. First Aid Measures

EYE CONTACT: Flush contaminated eye(s) with lukewarm, gently running water for 15 minutes, holding eyelids open. Seek medical attention if irritation persists.

SKIN CONTACT: Wash affected area immediately with mild soap and water and continue for 15 minutes. If irritation persists, seek immediate medical attention. Remove any contaminated clothing and launder clothing before reuse.

INHALATION: This is an unlikely route of entry, but if victim has been exposed to mist or vapors, remove to fresh air. If breathing has stopped, a trained person should perform artificial respiration. Get medical attention immediately.

INGESTION: Do not induce vomiting. Give 240-300 ml of water to dilute material. If vomiting occurs naturally, have victim lean forward with head between knees to reduce risk of aspiration. Seek medical attention.

5. Fire Fighting Measures

Flash point:	48° C PMCC
Autoignition temperature	399° C
Lower Explosive Limit:	2% (isopropanol)
Upper Explosion Limit:	12% (isopropanol)
Sensitivity to Impact:	Not sensitive
Sensitive to Static Discharge	Not Sensitive

Hazardous Combustion Products: Upon dryness, hazardous combustion products may result in the evolution of small amounts of oxides of carbon, aldehydes, and/or ketones.

Extinguishing Media: This product is combustible. Use carbon dioxide, dry chemical or appropriate foam. Water spray may be used to cool surrounding containers.

Fire Fighting Instructions: Evacuate area and fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Do not enter confined fire space without proper person protection. Use approved positive pressure self-contained breathing apparatus. If possible, isolate materials not yet involved in the fire, and move containers from fire area if this can be done without risk, and protect personnel. Otherwise, fire-exposed containers or tanks should be cooled by application of hose streams and this should begin as soon as possible and should concentrate on any unwetted portions of the container.

6. Accidental Release

Personal Protection: See Section 8 for proper protective equipment to be worn while cleaning an accidental spill.

Environmental Precautions: Not expected to have any environmental impact.

Cleanup Procedures: Small spill of this product are not expected to have any detrimental environmental effects, but caution should be taken to prevent larger spills from entering waterways. Absorb spill onto inert medium and place into proper containers for disposal. Thoroughly flush residue with water.

7. Handling and Storage

Handling Procedures: Keep container tightly closed when not in use. Launder clothing before reuse. Wash face and hands thoroughly after handling and before eating, drinking, or using tobacco products. Keep from freezing.

Storage: Store in cool, dry place and in an upright position to prevent leakage.

8. Exposure Controls, Personal Protection

Engineering Controls: Under manufacturers recommended use, no particular controls necessary.

Respiratory Protection: Not necessary if used as recommended, but if product is atomized or heated to vaporize the isopropyl alcohol, at a minimum use a NIOSH approved organic vapor respirator.

Skin Protection: If predisposed to skin problems, it is recommended that any chemically impervious gloves and/or clothing be used. Barrier cream may be used if contact is sporadic.

Eye and Face Protection: Using chemical splash-proof goggles is recommended.

Footwear: As required by worksite rules.

Other: Eye wash station should be located near work area.

9. Physical and Chemical Properties

Appearance:	Brown towellettes	Critical Temperature	Not available
Odor:	Slight Alcohol	Relative Density:	1.027 @ 24°C (water=1)
Odor Threshold:	Not Available	Partition Coefficient:	Not Available
pH	4.3	Evaporation Rate:	Not Available
Vapor Pressure:	Not Available	Freezing Point:	Not Available
Solubility:	Not Available	Boiling Point:	Not Available
Vapor Density:	Not Available		Not Available

10. Stability and Reactivity

Chemical Stability and Reactivity: Product is stable.

Incompatibility: Avoid contact with isocyanates, strong oxidizers, and mineral acids such as nitric acid, carbides, aluminum, chlorine dioxide bleaches.

Hazardous Decomposition Products: Ammonia, iodine gas, aldehydes, and/or ketones.

Hazardous Polymerization: Hazardous polymerization will not occur.

11. Toxicological Information

Acute Exposure: Theoretical oral LD₅₀ for the product is greater than 25g/kg (oral/rat)/ The LD₅₀ (dermal) has not been determined.

Chronic Exposure: See Section 3.
Exposure Limits: See Section 2.
Irritancy: See Section 3.
Sensitization: See Section 3.
Carcinogenicity: Not Available
Teratogenicity: Not Available
Reproductive toxicity: Isopropyl alcohol has been linked to reproductive toxicity, based on animal studies.
Mutagenicity: Not Available
Synergistic products: Isopropyl alcohol has increased the liver toxicity of chemicals such as carbon tetrachloride, chloroform, trichloroethylene, bromodichloromethane, 1,1,2-trichloroethane, and nitrosodimethylamine.

12. Ecological Information

Environmental toxicity: No data available.

Biodegradability: No data available.

13. Disposal Considerations

Canadian Environmental Protection Act: All ingredients are listed on the Canadian DSL and the US Toxic Substances Control Act (TSCA). Dispose according to all local, provincial or state and federal requirements.

14. Transport Information

Canadian Transportation of Dangerous Goods Regulations: As per Part 1.33 of the Canadian Transportation of Dangerous Goods Regulations (TDG), this product is exempt for transport if shipped in small means of containment. If shipped in a large means of containment, use the below listed classification.

United States Department of Transportation: As per CFR 49, 173.150(f)(2) of the United States transportation regulations, this product is exempt from the requirements of the above regulation if shipped in non-bulk. If shipped in bulk, use the below listed classification.

International Air Transportation Association (IATA): Not Regulated

International Maritime Organization (IMO): Not Regulated

15. Regulatory Information

Canadian Federal Regulations:

Canadian Environmental Protection Act: All ingredients are on the Domestic Substances List
SHMIS Classification: B3, D2B

UNITED STATES – FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are listed in the inventory.
OSHA, 29CFR 1910, Subpart Z: Meets the criteria for a hazardous substance

CERCLA, 40 CFR 302: No components listed

SARA 302, 40 CFR 355, No components listed

SARA 313 40 CFR 372: No components listed

SARA 311/312, 40 CFR 370: Meets criteria

16. Other Information

Original Preparation Date: January 7, 2015

Comments: This Safety Data Sheet was prepared using information provided by Ross Healthcare Inc. and CCINFO. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Ross Healthcare expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this sds does not apply to use with any other product or in any other process.

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