

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: McKesson Multi-Enzymatic Cleanser Fresh Mint Fragrance
MFR #: 53-28501

DISTRIBUTED BY: McKesson Medical-Surgical Inc.
 9954 Mayland Drive, Suite 4000
 Richmond, Virginia 23233

INFORMATION LINE: 1-800-777-4908
 Monday – Friday 8:00 a.m. – 6:00 p.m. EST

EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC)
 Day or night

PRODUCT DESCRIPTION: A surfactant and multi-enzyme formulation for instrument cleaning.

2. HAZARDS IDENTIFICATION

Appearance Clear blue liquid

Physical State Liquid

Odor Spearmint/Eucalyptus

Classification

Serious eye damage/eye irritation

Signal Word

Warning

Hazard Statements

Causes serious eye irritation



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Wear eye/face protection

Precautionary Statements - Response

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isopropyl alcohol	67-63-0	1 – 5
Propylene glycol	57-55-6	1 – 5
Subtilisin	9014-01-1	1 – 5
Sodium borate decahydrate	1303-96-4	1 – 3
2-Amino-2-methyl-1-propanol	124-68-5	0.1 – 1

4. FIRST AID MEASURES

First Aid Measures

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation occurs.

Wash hands thoroughly after handling.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call Poison Control or doctor/physician.

Dilute by giving a large amount of water. Allow vomiting to occur, then get medical attention.

Most important symptoms and effects

Eye contact may cause redness or burning sensation. Prolonged or repeated skin contact may cause irritation. May cause gastrointestinal disturbance.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Non-flammable.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Small spills (less than 1 gallon) may be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system. Large spills (more than 1 gallon) should be contained and collected (by absorption [sand, clay, or other absorbent material] or vacuuming) then disposed of properly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Wash thoroughly after handling. Use personal protection recommended in Section 8. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Do not contaminate food or feed stuffs. Do not reuse container. Keep out of the reach of children.

Incompatible Materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³
Propylene Glycol 57-55-6	TWA: 10 mg/m ³	TWA: mg/m ³	-
Sodium borate decahydrate 1303-96-4	STEL: 2 mg/m ³ TWA: 6 mg/m ³	-	-

Appropriate engineering controls

Engineering Controls Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Risk of contact: Wear approved safety goggles.

Skin and Body Protection For prolonged or repeated skin contact use suitable protective gloves.

Respiratory Protection No protection is ordinarily required under normal conditions of use and with adequate ventilation.

General Hygiene Considerations Do not get in eyes. Keep away from food and drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Spearmint/Eucalyptus
Appearance	Clear blue liquid	Odor Threshold	Not determined
Color	Blue		

<u>Property</u>	<u>Values</u>
pH	7.5-8.5 (concentrate)
Melting Point/Freezing Point	Not established
Boiling Point/Boiling Range	212°F (100°C)
Flash Point	Not determined.
Evaporation Rate	Not established.
Flammability (Solid, Gas)	Not determined.
Upper Flammability Limit	Not determined.
Lower Flammability Limit	Not determined.
Vapor Pressure	Not established.
Vapor Density	Not established.
Specific Gravity	1.00 – 1.04
Water Solubility	Completely soluble.
Solubility in other solvents	Not determined.
Partition Coefficient	Not determined.
Autoignition Temperature	Not determined.
Decomposition Temperature	Not determined.
Flammability Class	Not determined.
Heat of Combustion (NFPA 30B)	Not determined.
Explosive Properties	Not determined.
Oxidizing Properties	Not determined.

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	Avoid contact with skin.
Inhalation	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	-

Subtilisin 9014-01-1	= 1,800 mg/kg (Rat)	-	-
Sodium borate decahydrate 1303-96-4	= 5,560 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	-
2-Amino-2-methyl-1-propanol 124-68-5	= 2,900 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carcinogenicity Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol 67-63-0		Group 3		X

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Isopropyl alcohol 67-63-0	1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50; 1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through; 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static; 1400: 96 h <i>Lepomis macrochirus</i> mg/L LC50	13299: 48 h <i>Daphnia magna</i> mg/L EC50
Propylene Glycol 57-55-6	19000: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	51600: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static; 41 - 47: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static; 51400: 96 h <i>Pimephales promelas</i> mg/L LC50 static; 710: 96 h <i>Pimephales promelas</i> mg/L LC50	10000: 24 h <i>Daphnia magna</i> mg/L EC50; 1000: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Subtilisin 9014-01-1	0.29: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	8.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50	0.09: 48 h <i>Daphnia magna</i> mg/L EC50
2-Amino-2-methyl-1-propanol 124-68-5	565.5: 72 h <i>Scenedesmus</i> sp. mg/L EyC50	190: 96 h <i>Lepomis macrochirus</i> mg/L LC50; 184: 96 h European plaice mg/L LC50; 331: 48 h <i>Leuciscus idus</i> mg/L LC50	193: 48 h <i>Daphnia magna</i> mg/L LC50; 179: 96 h <i>Crangon crangon</i> mg/L LC50

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Chemical Name	Partition Coefficient
Isopropyl alcohol 67-63-0	0.05
Sodium borate decahydrate 1303-96-4	-0.7570
2-Amino-2-methyl-1-propanol 124-68-5	-0.63

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Isopropyl alcohol 67-63-0	Toxic Ignitable

14. TRANSPORTATION INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	67-63-0	1 - 5	1.0

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl alcohol 67-63-0	X	X	X
Propylene glycol 57-55-6	X		X
2-Amino-2-methyl-1-propanol 124-68-5	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards

Flammability

Instability

Special Hazards

HMIS

Health Hazards

Flammability

Physical Hazards

Personal Protection

Not determined
1

Not determined
1

Not determined
0

Not determined
0

Issue Date

09-Mar-2012

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15-Mar-2023

Revision Note

Composition/information on ingredients, Exposure controls/personal protection, Toxicological information, Ecological information, Regulatory information, HMIS, Format Update

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