

SAFETY DATA SHEET

SDS DATE: 11/30/2015

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Medi-Pak™ Performance I.V. Start Kit with Tegaderm™ Dressing

MFR #: 25-5862

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: 1-800-451-8346 (3E Company)

Day or night

PRODUCT DESCRIPTION: N/A

1 of 3 SDS – 3M[™] Tegaderm[™] Transparent Dressing 2 of 3 SDS – Aplicare® Povidone-Iodine Prep Pad 3 of 3 SDS – WEBCOL/Curity Alcohol Prep Pads

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3MTM TegadermTM Transparent Dressing 1610, 1614, 1616, 1620, 1621, 1622W, 1623W, 1624W, 1626W, 1626, 1627, 1628, 1629, 1630, H1624,1624WNS, H1626,1626W DTS,1634,1650,1655,9505,9506,9505W,9506W,400,401,1633,1635, 16011,16013, 91123, 91124, 91125



Safety Data Sheet

1 of 3 SDS - 3M[™] Tegaderm[™] Transparent Dressing

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Document group: 10-5846-0 Version number: 3.00

Issue Date: 28/03/2014 Supersedes date: 26/07/2004

This Safety Data Sheet has been prepared in accordance with the South African National Standard SANS 10234:2008.

SECTION 1: Identification

1.1. Product identifier

3MTM TegadermTM Transparent Dressing 1610, 1614, 1616, 1620, 1621,1622W,1623W,1624W, 1626W, 1626, 1627, 1628, 1629, 1630, H1624,1624WNS, H1626,1626W DTS,1634,1650,1655,9505,9506,9505W,9506W,400,401,1633,1635, 16011,16013, 91123, 91124, 91125

Product Identification Numbers

70-2007-4927-6

1.2. Recommended use and restrictions on use

Recommended use

I.V. secural and wound management.

1.3. Supplier's details

Address: 3M South Africa (Pty) Ltd, Private Bag X926, Rivonia 2128

Telephone: 011 806 2000 E Mail: Not available. Website: www.3m.co.za

1.4. Emergency telephone number

011 806 2000

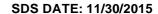
SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

This product is considered to be an article and is exempt from GHS classification.

2.2. Label elements

Signal word **Symbols**





Pictograms

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	CAS Nbr	% by Wt
Silicone coated paper liner	Unknown	5 - 65
Polyethylene-cellulose silicone carrier liner	Unknown	0 - 35
Acrylate polymer	Trade Secret	5 - 25
Isocyanic acid, methylene-p-phenylene	Mixture	5 - 15
ester, polymer with 1,4-butanediol and		
tetramethylene glycol		
Polyester Backing	Unknown	0 - 10
Rayon backing	Unknown	0 - 10
Polyethylene film	Unknown	0 - 1

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

No need for first aid is anticipated.

Skin contact

No need for first aid is anticipated.

Eye contact

No need for first aid is anticipated.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

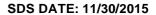
Carbon monoxide.

Carbon dioxide.

Condition

During combustion.

During combustion.





5.3. Special protective actions for fire-fighters

No unusual fire or explosion hazards are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not applicable.

6.2. Environmental precautions

Not applicable.

6.3. Methods and material for containment and cleaning up

Not applicable.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

7.2. Conditions for safe storage including any incompatibilities

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety DataSheet.

8.2. Exposure controls

8.2.1. Engineering controls

Not applicable.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Eye protection not required.

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

Respiratory protection is not required.

SECTION 9: Physical and chemical properties





9.1. Information on basic physical and chemical properties

Physical state Solid

Appearance/Odour Transparent film contained by 2 paper liners.

Odour threshold Not applicable. Ηα Not applicable. Melting point/Freezing point No data available. Boiling point/Initial boiling point/Boiling range Not applicable. Flash point Not applicable. **Evaporation rate** Not applicable. Not classified Flammability (solid, gas) Flammable Limits(LEL) Not applicable. Flammable Limits(UEL) Not applicable. Vapour pressure Not applicable. Vapour density Not applicable. Vapour density Not applicable. **Density** Not applicable. Relative density Not applicable.

Water solubility Nil

Solubility- non-water *Not applicable.*

Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Decomposition temperatureNot applicable.ViscosityNot applicable.Volatile organic compounds (VOC)No data available.VOC less H2O & exempt solventsNo data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non reactive under normal use conditions

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

<u>Substance</u> <u>Condition</u>

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition





products may occur as a result of oxidation, heating, or reaction with another material.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

No health effects are expected.

Skin contact

No health effects are expected. Contact with the skin during product use is not expected to result in significant irritation.

Eye contact

No health effects are expected. Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation.

Additional information:

This product, when used under reasonable conditions and in accordance with the 3M directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Overall product	Human	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value

Skin Sensitisation

Name	Species	Value
Overall product	Guinea	Not sensitizing
	pig	

Respiratory Sensitisation



Species

Test result

Exposure Duration

 $3M^{\rm TM}\ Tegaderm^{\rm TM}\ Transparent\ Dressing\ 1610,\ 1614,\ 1616,\ 1620,\ 1621,1622W,1623W,1624W,\ 1626W,\ 1626,\ 1627,\ 1628,\ 1629,\ 1630,\ H1624,1624WNS,\ H1626,1626W\ DTS,1634,1650,1655,9505,9506,9505W,9506W,400,401,1633,1635,\ 16011,16013,\ 91123,\ 91124,\ 91125$

Name					Species	Value		
erm Cell Mut	agenicity							
Name					Route	Value		
arcinogenicity	y							
Name				Route	Species	Value		
Reproductive T	Coxicity							
Reproductive a	nd/or Developme	ental Effects						
Name	•	Route	Value			Species	Test result	Exposure
						_		Duration
arget Organ(s	s)							
pecific Target	Organ Toxicity	single exposu	ıre					
Name	Route	Target Organ		Value		Species	Test result	Exposure
			. ,			*		Duration
			•					
nooifia Target	Organ Taxiaity	nonceted own	OCHE					
iccinc Target	Organ Toxicity	· i epeateu exp	osule					

Aspiration Hazard

Name

Name	Value

Value

Target Organ(s)

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

Route

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:

Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available.

No component test data available.

12.2. Persistence and degradability

No test data available.



 $3M^{\rm TM}\ Tegaderm^{\rm TM}\ Transparent\ Dressing\ 1610,\ 1614,\ 1616,\ 1620,\ 1621,1622W,1623W,1624W,\ 1626W,\ 1626,\ 1627,\ 1628,\ 1629,\ 1630,\ H1624,1624WNS,\ H1626,1626W\ DTS,1634,1650,1655,9505,9506,9505W,9506W,400,401,1633,1635,\ 16011,16013,\ 91123,\ 91124,\ 91125$

12.3: Bioaccumulative potential

No test data available.

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product must only be disposed of by an authorized/permitted waste disposal contractor or incinerated in an industrial or commercial facility in the presence of a combustible material.

SECTION 14: Transport Information

Compliance is required to South African Transport Information Road Traffic Act & Regulations and Railroad regulations, IATA Standards for airfreight and Maritime standards for ocean freight.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact 3M for more information.

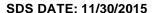
SECTION 16: Other information

Revision information:

No revision information is available.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

3M South Africa SDSs are available at www.3m.co.za







SAFETY DATA SHEET

2 of 3 SDS - Aplicare® Povidone-Iodine Prep Pad

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

Product Name Aplicare® Povidone-Iodine Prep Pad

Other means of identification

Product Code(s) P-1001, P-1001-8S

Recommended use of the chemical and restrictions on use

Recommended Use Broad spectrum topical antiseptic

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Aplicare Inc.

Supplier Address 550 Research Parkway

Meriden, CT 06450

Supplier Phone Number Phone: 203-630-0500

Emergency telephone number

Emergency Phone Numbers For Medical Emergencies call: 1-800-446-1014

For Transportation Emergencies, call Chemtrec: 1-800-424-9300



2. HAZARDS IDENTIFICATION

Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

Emergency Overview

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

AppearanceDark brown liquid
absorbed into white padsPhysical StateThin liquid absorbed onto
padsOdorFaint, characteristic

Precautionary Statements - Prevention

None

<u>Precautionary Statements - Response</u>

None

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

11% of the mixture consists of ingredient(s) of unknown toxicity

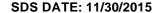
Other information

Harmful to aquatic life with long lasting effects.

Interactions with Other Chemicals

Incompatible with strong alkalis.

3. COMPOSITION/INFORMATION ON INGREDIENTS							
Chemical Name CAS No Weight-% Trade Secret							
Povidone-iodine	<u> </u>						





4. FIRST AID MEASURES

First aid measures

General Advice Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation

persists: Get medical advice/attention.

Skin Contact Wash skin with soap and water.

Inhalation Remove to fresh air. If symptoms persist, call a doctor.

Ingestion Rinse mouth immediately and drink plenty of water. Never give anything by mouth

to an unconscious person. Do NOT induce vomiting. Call a physician.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and May cause slight eye irritation.

Effects

Indication of any immediate medical attention and special treatment needed

Notes to Doctor 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

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Harsh iodine fumes may be emitted if product is heated to temperatures greater than 80°C.

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

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 Avoid contact with eyes.

Environmental Precautions

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 cleaning upSoak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety

practice.

Conditions for safe storage, including any incompatibilities

Storage Do not store at temperatures above 40°C. Keep tightly closed in a dry and cool place.

Keep in properly labeled containers.

Incompatible Products Strong alkalis.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
lodine 7553-56-2	TWA: 0.01 ppm (Inhalable fraction and vapor) STEL: 0.1ppm (Aerosol and vapor)	TWA-Ceiling: 0.1 ppm	IDLH: 2 ppm TWA-Ceiling: 0.1 ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Measures Showers

Eyewash stations Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection No special protection required.

Skin and Body Protection No special protection required.



Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

provided in accordance with current local regulations.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State Thin liquid

Appearance Opaque thin liquid absorbed into rayon Odor Faint, characteristic

swabs on polystyrene sticks

Color Dark brown liquid - white swabs and Odor Threshold No information available

sticks

PropertyValuesRemarks/MethodpHNo data availableNone known

Melting / freezing point

Boiling point / boiling range
Flash Point
Evaporation Rate
Flammability (solid, gas)

No data available
No data available
No data available
No data available

Flammability Limit in Air
Upper flammability limit
Lower flammability limit
Vapor pressure

No data available
No data available

Vapor density
Specific Gravity
Water Solubility
Solubility in other solvents
Partition coefficient: n-octanol/water No data available
Autoignition temperature
Decomposition temperature
No data available

Dynamic viscosity

Explosive properties

Oxidizing Properties

No data available
No data available
No data available

Other Information

Softening Point

VOC Content (%)

Particle Size

Particle Size Distribution

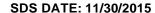
No data available
No data available
No data available

None known None known

None known

None known

None known





10. STABILITY AND REACTIVITY

Reactivity

Incompatible with strong alkalis.

Chemical stability

Stable under recommended storage conditions. Harsh iodine fumes may be emitted if product is heated to temperatures greater than 80°C.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong alkalis.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation Specific test data for the substance or mixture is not available.

Eye Contact Specific test data for the substance or mixture is not available.

Skin Contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

Component Information No information available.

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes.

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

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity Contains no ingredients listed as a carcinogen.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.





Chronic Toxicity Carcinogenic potential is unknown.

Target Organ Effects None known.

Aspiration Hazard No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Dispose of in accordance with all applicable federal, state, and local regulations.

Contaminated Packaging

Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

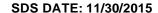
DOT Not regulated

TDG Not regulated

ICAO Not regulated

<u>IATA</u> Not regulated

<u>IMDG/IMO</u> Not regulated





15. REGULATORY INFORMATION

Chemical Inventories

TSCA Complies.

DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals that are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances that are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances that are regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Disodium phosphate 7558-79-4		Х	Х	Х	

International Regulations

Canada WHMIS Hazard Class

Not controlled.



16. OTHER INFORMATION

NFPA Health Hazards 1 Flammability 0 Instability 0 Physical and

Chemical Hazards - HMIS Health Hazards 1 Flammability 0 Physical Hazard 0 Personal Protection

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Prepared By Product Stewardship

23 British American Blvd. Latham, NY 12110 1-800-572-6501

Revision Date New

Revision Note New

Reference INT0007/D111

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet





Section 1 - PRODUCT AND COMPANY IDENTIFICATION

3 of 3 SDS - WEBCOL/Curity Alcohol Prep Pads

Material Name

WEBCOL/Curity Alcohol Prep Pads

Trade Names

5033, 5110, 5750, 6818, 6818-1, 63001, 15033, 16818, 176818, 20339, 681812, 6818-2, 7MJ46621, 7MJ36339, 7RA58200, 7RA71200, 7RI43405, 7R145719, 7RI45720, 7RI45721, 7RI45722, 7RI82380, 7RI82402, 70Y33230, 985629, MKN42634, 693035, 121-6131, 6818M, GS42634

Synonyms

Isopropyl Alcohol 65-75%

Chemical Family

ISOPROPYL ALCOHOL

Product Use

Skin preparation pads for use in medical applications

Restrictions on Use

For use under medical supervision only.

Manufacturer Information

Covidien, LP

15 Hampshire Street

Mansfield, MA 02048

USA

Phone: +1-(508) 261-8000 (Monday - Friday 8:00 am to 5:00 pm)

Email: customerservice@medtronic.com

Emergency Telephone Number:

CHEMTREC (800) 424-9300 (for US and Canada)

1(703) 527-3887 (Outside US and Canada)

Collect calls accepted

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Flammable Liquids - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

GHS Label Elements

Symbol(s)







Signal Word

Danger

Hazard Statement(s)

Highly flammable liquid and vapor Causes serious eye irritation

Precautionary Statement(s)

Prevention

Keep away from heat/sparks/open flame/hot surfaces - No smoking Wash thoroughly after handling

Response

In case of fire: Use appropriate media to extinguish

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

Storage

Store in a cool dry place

Disposal

Dispose of contents/container in accordance with local/regional/national/internationalregulations

Other Hazards

No additional information available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent (%)
7732-18-5	Water	25 - 35
67-63-0	Isopropyl alcohol	65 - 75

Section 4 - FIRST AID **MEASURES**

Inhalation

Not a likely route of exposure.

Skin

It is unlikely that first aid will be required. If skin irritation occurs: Get medical advice/attention.

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

Ingestion

If swallowed, get medical attention.



Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Most Important Symptoms/Effects

Acute

Causes serious eye irritation.

Delayed

No information on significant adverse effects.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media

None known.

Special Hazards Arising from the Chemical

Highly flammable liquid and vapor.

Hazardous Combustion Products

Oxides of carbon

Advice for firefighters

Avoid inhalation of material or combustion by-products.

Fire Fighting Measures

Avoid inhalation of material or combustion by-products.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment.

Methods and Materials for Containment and Cleaning Up

Clear up spills immediately and dispose of waste safely.

Environmental Precautions

Avoid release to the environment.

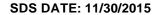
Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Keep away from heat/sparks/open flames/hot surfaces.

Conditions for Safe Storage, Including any Incompatibilities

Store in a cool dry place





Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Isopropyl alcohol	67-63-0
ACGIH:	200 ppm TWA
	400 ppm STEL
NIOSH:	400 ppm TWA; 980 mg/m3 TWA
	500 ppm STEL; 1225 mg/m3 STEL
	2000 ppm IDLH (10% LEL)
OSHA (US):	400 ppm TWA; 980 mg/m3 TWA
Mexico:	400 ppm TWA LMPE-PPT; 980 mg/m3 TWA LMPE-PPT
	500 ppm STEL [LMPE-CT]; 1225 mg/m3 STEL [LMPE-CT]

Biological limit value

There are no biological limit values for any of this product's components.

Engineering Controls

Based on available information, additional ventilation is not required. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Safety glasses or goggles are recommended when there is a potential for eye contact.

Skin Protection

Not required.

Respiratory Protection

No respirator is required under normal conditions of use.

Glove Recommendations

Hand protection is not required.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Non-woven cloth saturated with liquid in foil package	Physical State	Liquid
Odor	Alcohol	Color	Colorless
Odor Threshold	Not available	рН	Not available





Melting Point	Not available	Boiling Point	82 °C (literature value)
Freezing point	-89 °C (literature value)	Evaporation Rate	Not available
Boiling Point Range	Not available	Flammability (solid, gas)	Not available
Autoignition	399 °C (literature value)	Flash Point	12 °C (estimate based on isopropyl alcohol)
Lower Explosive Limit	2 % (V)	Decomposition	Not available
Upper Explosive Limit	12 % (V)	Vapor Pressure	33 mmHg (@ 20 °C - literature value)
Vapor Density (air=1)	2.1 (literature value)	Specific Gravity (water=1)	0.7855 (@ 20 °C - literature value)
Water Solubility	100%	Partition coefficient: n- octanol/water	0.05 (measured value)
Viscosity	Not available	Solubility (Other)	Not available
Density	Not available		

Other Information

No additional information available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

Not known to occur.

Chemical Stability

Stable under normal conditions of use.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid direct sunlight.

Incompatible Materials

Aldehydes, halogenated compounds, halogens, strong acids, strong oxidizing agents

Hazardous decomposition products

Oxides of carbon



Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Not a likely route of exposure.

Skin Contact

None known.

Eve Contact

Causes serious eye irritation.

Ingestion

None known.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Isopropyl alcohol (67-63-0)

Oral LD50 Rat 5045 mg/kg (Safety Data Sheet)

Dermal LD50 Rabbit 12800 mg/kg (Safety Data Sheet)

Inhalation LC50 Rat 1600 ppm 4 h (Safety Data Sheet)

Immediate Effects

Causes serious eye irritation.

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity Data

Causes serious eye irritation.

Respiratory Sensitization

No data available.

Dermal Sensitization

No data available.

Component Carcinogenicity

Isopropyl alcohol	67-63-0
ACGIH:	A4 - Not Classifiable as a Human Carcinogen
IARC:	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

Germ Cell Mutagenicity

No data available.

Reproductive Toxicity

No data available.



Specific Target Organ Toxicity - Single Exposure

No information available.

Specific Target Organ Toxicity - Repeated Exposure

No information available.

Aspiration hazard

No data available.

Medical Conditions Aggravated by Exposure

May cause eye damage, eye disorders.

Additional Data

No additional information available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Avoid release to the environment.

Component Analysis - Aquatic Toxicity

Isopropyl alcohol	67-63-0
Fish:	LC50 96 h Pimephales promelas 9640 mg/L [flow-through]; LC50 96 h Pimephales promelas 11130 mg/L [static]; LC50 96 h Lepomis macrochirus >1400000 µg/L
Algae:	EC50 96 h Desmodesmus subspicatus >1000 mg/L IUCLID; EC50 72 h Desmodesmus subspicatus >1000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 13299 mg/L IUCLID

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

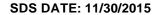
Other Toxicity

No additional information available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations.





Section 14 - TRANSPORT INFORMATION

US DOT Information:

Shipping Name: Not applicable Hazard Class: Not applicable

UN/NA #: Not regulated per 49 CFR, Special Provision 47 (for rail and road transport in the USA)

Packing Group: Not applicable Required Label(s): Not applicable

Additional information: No additional information available

IATA Information:

Shipping Name: Not applicable Hazard Class: Not applicable

UN#: Not regulated, as per IATA, Special Provision A46

Packing Group: Not applicable Required Label(s): Not applicable

Additional information: Consult current IATA regulations prior to shipping by air

IMDG Information:

Shipping Name: Not applicable Hazard Class: Not applicable

UN#: Not regulated, as per IMDG Code, Special Provision 216

Packing Group: Not applicable Required Label(s): Not applicable

Additional information: No additional information available

TDG Information:

Shipping Name: Not applicable **Hazard Class:** Not applicable

UN#: Not regulated

Packing Group: Not applicable Required Label(s): Not applicable

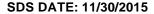
Additional information: No additional information available

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b).

Isopropyl alcohol	67-63-0
SARA 313:	1 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)





Not listed under California Proposition 65

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Isopropyl alcohol	67-63-0
	1 %

Section 16 - OTHER INFORMATION

Summary of Changes New SDS: May 5, 2015

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts TW - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

Other Information

Disclaimer:

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