

Issue Date: 01-January-2009

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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

SDS # PYR-EU-LCTLCC
 Product Code LCC100 / LCT100 & ELCC100 / ELCT100
 Product Name PYRAMEX Lens Cleaning Towelette

Contains Isopropyl Alcohol, Ethylene Glycol Monobutyl Ether, Citrus Oils

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Lens cleaner Instrument care Water based cleaner

1.3. Details of the Supplier of the Safety Data Sheet

Supplier

Pyramex Safety Products Ltd,
 Lane End Farm
 Hatt Common
 RG20 ONG
 UK

For further information, please contact

Contact Point Pyramex Safety Products Ltd – Tel +44 (0) 1635 254220
 Email Address info@pyramexeurope.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Flammable Liquids	Category 2 - (H225)

2.2. Label Elements

Product Identifier

Contains Isopropyl Alcohol, Ethylene Glycol Monobutyl Ether, Citrus Oils



Signal Word

Danger

Hazard statements

H319 - Causes serious eye irritation
 H335 - May cause respiratory irritation
 H336 - May cause drowsiness or dizziness

Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 P370 + P378 - In case of fire: Use CO₂, dry chemical or foam to extinguish
 P243 - Take precautionary measures against static discharge

P240 - Ground/bond container and receiving equipment
 P405 - Store locked up
 P235 - Keep cool
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337 + P313 - If eye irritation persists: Get medical advice/attention
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell

2.3. Other Hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 MIXTURES

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Isopropyl Alcohol	Present	67-63-0	20-30	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	Not determined
Ethylene Glycol Monobutyl Ether	Present	111-76-2	1-10	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	Not determined

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact Wash with soap and water. If irritation persists or an allergic reaction occurs, call a physician.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If symptoms persist, call a doctor.

Ingestion Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to a person who is unconscious or convulsing. Consult a physician.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms Causes serious eye irritation. Causes mild skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause nausea, vomiting, stomach ache, and diarrhea. Ingestion may cause central nervous system depression.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Not determined.

5.2. Special Hazards Arising from the Substance or Mixture

Flammable. Take precautionary measures against static discharge.

Hazardous Combustion Products Carbon oxides.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protective equipment as required. Avoid contact with eyes and skin. Remove all sources of ignition.

For Emergency Responders

Use personal protection recommended in Section 8.

6.2. Environmental Precautions

See Section 12 for additional Ecological Information.

6.3. 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 Use personal protective equipment as required. Wipe or soak up with absorbent material for disposal. Pick up and transfer to properly labelled containers.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

Section 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear appropriate personal protective equipment. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep out of the reach of children.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before reuse. Provide regular cleaning of equipment, work areas and clothing.

7.2. Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep away from incompatible materials, open flames, and high temperatures. Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children.

7.3. Specific End Use(s)

Specific Use(s)

Lens cleaner. Instrument care. Water based cleaner.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Exposure Limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Isopropyl Alcohol 67-63-0	-	STEL: 500 ppm STEL: 1250 mg/m ³ TWA: 400 ppm TWA: 999 mg/m ³	STEL: 400 ppm STEL: 980 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	TWA: 200 ppm TWA: 500 mg/m ³
Ethylene Glycol Monobutyl Ether 111-76-2	S* TWA 20 ppm TWA 98 mg/m ³ STEL 50 ppm STEL 246 mg/m ³	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 25 ppm TWA: 123 mg/m ³ Skin	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³	S* STEL: 50 ppm STEL: 245 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	TWA: 10 ppm TWA: 49 mg/m ³ H*
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Isopropyl Alcohol 67-63-0	-	STEL: 400 ppm TWA: 200 ppm	-	TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 620 mg/m ³	TWA: 200 ppm TWA: 490 mg/m ³
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	Skin STEL: 246 mg/m ³ TWA: 100 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Skin	TWA: 20 ppm TWA: 98 mg/m ³ Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl Alcohol 67-63-0	STEL 800 ppm STEL 2000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 1200 mg/m ³ TWA: 900 mg/m ³	TWA: 100 ppm TWA: 245 mg/m ³ STEL: 100 ppm STEL: 245 mg/m ³	TWA: 200 ppm STEL: 400 ppm Skin
Ethylene Glycol Monobutyl Ether 111-76-2	Skin STEL 40 ppm STEL 200 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	Skin STEL: 20 ppm STEL: 98 mg/m ³ TWA: 10 ppm TWA: 49 mg/m ³	STEL: 200 mg/m ³ TWA: 98 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ Skin STEL: 10 ppm STEL: 50 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin

8.2. Exposure Controls

Engineering Controls

Showers. Eyewash stations. Ventilation systems.

Personal Protective Equipment

Eye/Face Protection

Wear eye/face protection.

Hand Protection

Wear suitable gloves.

Skin and Body Protection

Suitable protective clothing.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Respiratory protection must be provided in accordance with current local regulations.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical state

Solid containing liquid

Appearance

Liquid absorbed onto a towelette

Odour

Mild alcohol odor

Colour

Colourless

Odour Threshold

No information available

Property

Values

Remarks • Method

pH

7

Melting Point/Freezing Point

No information available

Boiling Point/Boiling Range

No information available

Flash Point

12 °C / 54 °F

Evaporation Rate

No information available

Flammability (Solid, Gas)

Not determined

Flammability Limits in Air	
Upper Flammability Limits	No information available
Lower Flammability Limit	No information available
Vapour Pressure	No information available
Vapour Density	No information available
Relative Density	No information available
Water Solubility	No information available
Solubility(ies)	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	No information available
Decomposition Temperature	No information available
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidising Properties	Not determined

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

Sensitivity to Mechanical Impact	Not sensitive.
Sensitivity to Static Discharge	Yes.

10.3. Possibility of Hazardous Reactions

Hazardous Polymerisation

Hazardous polymerisation does not occur.

Possibility of Hazardous Reactions

None under normal processing.

10.4. Conditions to Avoid

Heat, flames and sparks. Incompatible Materials.

10.5. Incompatible Materials

Strong oxidising agents. Acids. Chlorinated compounds.

10.6. Hazardous Decomposition Products

Carbon oxides.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity

Product Information

Inhalation	Do not inhale.
Eye Contact	Causes serious eye irritation.
Skin Contact	Avoid contact with skin.
Ingestion	Do not ingest.

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

ATEmix (oral)	4,474.00 mg/kg
ATEmix (dermal)	9,966.00 mg/kg
ATEmix (inhalation-dust/mist)	35.10 mg/L
ATEmix (inhalation-vapour)	42.68 mg/L

Unknown Acute Toxicity

30.72% of the mixture consists of ingredient(s) of unknown toxicity.
 0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
 0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
 30.72 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
 27 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
 0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
water	> 90 mL/kg (Rat)		
Isopropyl Alcohol	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat) 4 h
Ethylene Glycol Monobutyl Ether	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
Citrus Oils	= 2840 mg/kg (Rat)	> 5 g/kg (Rabbit)	

Skin corrosion/irritation Not classified.

Serious eye damage/eye irritation Causes serious eye irritation.

Sensitisation Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Not classified.

Reproductive toxicity Not classified.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure Not classified.

Aspiration hazard Not classified.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Isopropyl Alcohol	1000: 96 h Desmodemus subspicatus mg/L EC50 1000: 72 h Desmodemus subspicatus mg/L EC50	1400000: 96 h Lepomis macrochirus µg/L LC50 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static	13299: 48 h Daphnia magna mg/L EC50
Ethylene Glycol Monobutyl Ether		2950: 96 h Lepomis macrochirus mg/L LC50 1490: 96 h Lepomis macrochirus mg/L LC50 static	1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50

12.2. Persistence and Degradability

Not determined.

12.3. Bioaccumulative Potential

Chemical Name	Partition Coefficient
Isopropyl Alcohol	0.05
Ethylene Glycol Monobutyl Ether	0.81

12.4. Mobility in Soil

Mobility

Not determined.

12.5. Results of PBT and vPvB Assessment

Not determined.

12.6. Other Adverse Effects

Not determined.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

Section 14: TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

IMDG

14.2 Proper Shipping Name Not regulated

RID

14.2 Proper Shipping Name Not regulated

ADR

14.2 Proper Shipping Name Not regulated

IATA

14.2 Proper Shipping Name Not regulated

Section 15: REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

France

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number	Title
Isopropyl Alcohol 67-63-0	RG 84	
Ethylene Glycol Monobutyl Ether 111-76-2	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

Component	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Isopropyl Alcohol 67-63-0 (20-30)	X	X	X	X	Present	X	X	Present
Ethylene Glycol Monobutyl Ether 111-76-2 (1-10)	X	X	X	X	Present	X	X	Present

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H332 - Harmful if inhaled

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H225 - Highly flammable liquid and vapour

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend

TWA TWA (time-weighted average)

Ceiling Maximum limit value

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

STEL

*

STEL (Short Term Exposure Limit)

Skin designation

Classification Procedure

Calculation method

Issue Date: 30-Jan-2009

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Revision Note: New format.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

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