SAFETY DATA SHEET

In compliance with Regulation (EC) 1907/2006 and (EU) n. 453/2010 (Annex II)

Issuing Date 24-JUN-2015 **Revision Date** 24-JUN-2015 **Revision Number** 1

1.1. Product identifier

Product Name	**ISOPROPANOL 99%** **ISOPROPYL RUBBING ALCOHOL 70%**
Chemical Name	Isopropanol - water mixture
Formula	C_3H_8O
CAS	67-63-0
EINECS	200-661-7
Index No	603-117-00-0
Reach Registration Number	No information available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Use	Topical antiseptic, cleanser
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer, Supplier Rougier
17800, Lapointe Street
Mirabel (Quebéc), Canada JPJ 173
Telephone 1-866-470-6886

For further information, please contact
E-mail Address msds.teva@teva-pfc.com

1.4. Emergency Telephone Number

Emergency Telephone Number 800-483-5060

SECTION 2: Hazards identification

2.1.**- Classification of the substance or mixture**

Classification according to 1272/2008/EU

Flammable Liquid, 2	H225
Serious Eye Irritation, 2A	H319
STOT SE Narcotic Effects, 3	H336

Full text of phrases reported in section 16.
Main effects: see sections from 9 to 12.

2.2.**Label Elements**

Signal Word **Warning**

Hazard Statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness..

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
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.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

2.3.**Other hazards**

No information available

3.1.**Substances**

N.A.

3.2. **Mixtures**

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	CLP/GHS classification
Isopropranol	EEC No. 200-661-7	Not available	67-63-0	70-99	Flammable Liquid, 2 Serious Eye Irritation, 2A STOT SE Narcotic Effects, 3 H225, H319, H336
Water	EEC No. 231-791-2	Not available	7732-18-5	1-30	-

Full text of phrases reported in section 16.

SECTION 4: First aid measures

4.1.**Description of first-aid measures**

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Ingestion	Clean mouth with water, only if the person is conscious. Get medical attention.
Inhalation	Remove from exposure, lie down. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

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

Irritation	Moderately irritating to eyes, skin and respiratory system
Corrosivity	No information available
Sensitization	No information available
Eyes	May cause irritation
Skin	May cause, skin rash
Inhalation	May cause irritation, May cause narcotic effects
Ingestion	May cause, nausea, vomiting, diarrhea

4.3.**Indication of immediate medical attention and special treatment needed**

Notes to Physician	Treat symptomatically.

5.1.**Extinguishing media**

Suitable Extinguishing Media

Water spray. Carbon dioxide (CO_2).Alcohol-resistant Foam. Dry powder.

Unsuitable extinguishing media.

No information available.

5.2.**Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors. Flammable material.

5.3.**Advice for firefighters**

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1.**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid contact with dusts/fumes/mists/vapors.

6.1.1. For non-emergency personnel

Protective equipment See section 8

Emergency procedures Evacuate the danger area and alert emergency team

6.1.2. For emergency responders

See section 8

6.2.**Environmental Precautions**

Should not be released into the environment.

6.3.**Methods and materials for containment and cleaning up**

6.3.1. Methods for Containment

No information available.

6.3.2. For cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). If emergency, enforce internal emergency plan.

6.3.3. Other information

No information available

6.4.**Reference to other sections**

See sections 8 and 13 for additional information.

7.1.**Precautions for Safe Handling**

Handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Provide appropriate exhaust ventilation at places where vapor is formed. Handle in accordance with good industrial hygiene and safety practice.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2.**Conditions for safe storage, including any incompatibilities**

Excursion permitted up to 30°C. Store at room temperature. Keep tightly closed in a dry and cool place. Protect from light. Store in accordance with local regulations.

7.3.**Specific end use(s)**

Exposure Scenario	No information available.
Other Guidelines	No information available.

SECTION 8: Exposure controls/personal protection

8.1.**Control parameters**

Exposure Limits	NIOSH, ACGIH, OSHA – 400 ppm TWA.
Biological occupational exposure limits	40 mg/L (acetone in urine). End of work week, ACGIH
Derived No Effect Level (DNEL)	No information available.
Predicted No Effect Concentration (PNEC)	No information available.

8.2.**Exposure controls**

Engineering Measures	Provide engineering control appropriate for the task.
Personal protective equipment	
Eye/face protection	Approved safety goggles/glasses if appropriate.
Body protection	Long sleeved clothing.
- Hand protection	Nitrile or other suitable chemical resistant gloves.
Respiratory Protection	Not needed for normal handling.
Environmental exposure controls	Ensure adequate ventilation, especially in confined areas.

9.1.**Information on basic physical and chemical properties**

Appearance	
Color	Clear
Physical State	Liquid
Odor	Characteristic alcohol
Odour Threshold	No information available

pH	No information available
Melting Point/Range	-89.5 °C (-129.1 °F) for 99%
Boiling Point/Range	82 °C (180 °F) for 99%; 80.9 - 83.2 °C (177.6 - 181.8 °F) for 70%
Flash Point	12.0 °C (53.6 °F) for 99%; 22.2 °C (72.0 °F) for 70%
Evaporation Rate	3.0 for 99%
Flammability (solid, gas)	No information available
Flammability Limits in Air	
Upper	Upper explosion limit: 12.7 %(V) for 99%
Lower	Lower explosion limit: 2 %(V) for 99%
Vapor Pressure	43.2 hPa (32.4 mmHg) at 20.0 °C (68.0 °F) for 99%
Vapor Density	No information available
Relative Density	0.785 g/mL for 99%; 0.858 g/mL for 70%
Solubility	No information available
Water Solubility	Soluble
Octanol/water Partition Coefficient (Log Kow)	No information available
Autoignition Temperature	425.0 °C (797.0 °F) for 99%
Decomposition Temperature	No information available
Viscosity	No information available
Explosive Properties	No information available
Oxidizing Properties	No information available

9.2.**Other information**

Molecular Weight	60.10

SECTION 10: Stability and reactivity

10.1.**Reactivity**
No information available.

10.2.**Chemical Stability**
Stable under normal conditions.

10.3.**Possibility of hazardous reactions**
Vapours may form explosive mixture with air.

10.4.**Conditions to avoid**
Excessive heat, open flame.

10.5.**Incompatible materials.**
Oxidizing agents.

10.6.**Hazardous decomposition products**
No informational available.

11.1. Information on toxicological effects

Acute Toxicity	
LD50 Oral rat	>5000mg/kg
Irritation	Moderately irritating to eyes, skin and respiratory system.
Corrosivity	No information available.
Sensitization	No information available.
Eyes	May cause irritation..
Skin	May cause irritation.
Inhalation	May cause irritation.
Ingestion	May cause, nausea, vomiting, diarrhea.

Chronic toxicity

Carcinogenicity	Listed IARC Group 3 (Not classifiable as to its carcinogenicity to humans).
Reproductive Toxicity	No information available.
Mutagenic Effects	No information available.
STOT - repeated exposures	No information available.
STOT - single exposure	Inhalation, oral- may cause drowsiness or dizziness.

Other Information

Aspiration Hazard	May lead to: lung oedema, pneumonia
Gastrointestinal System	Nausea, vomiting
Central Nervous System	Central nervous system depression, headache, narcosis, drowsiness

SECTION 12: Ecological information

12.1.**Toxicity**

Ecotoxicity effects

LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h
EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h
EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h

12.2.**Persistence and degradability**

No information available.

12.3.**Bioaccumulative potential**

Bioaccumulation not expected.

12.4.**Mobility in soil**

No information available.

12.5.**Results of PBT and vPvB assessment**

No information available.

12.6.**Other adverse effects**

Endocrine Disruptor Information

No information available.

13.1. Waste treatment methods

Waste from Residues/Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging	Empty containers should be taken for local recycling, recovery or waste disposal.

14.1.

UN-No	1219

14.2.

Proper Shipping Name	Isopropanol

14.3. Transport hazard class(es)

ADR / RID / ADN (land transport)	UN 1219, Class 3, Packing Group II
IMDG (sea transport)	UN 1219, Class 3, Packing Group II
IATA / ICAO (air transport)	UN 1219, Class 3, Packing Group II

14.4.

Packing Group	II

14.5.**Environmental hazards**

Marine Pollutant	No information available

14.6.**Special precautions for user**

Emergency No.	No information available
ADR/RID-Labels	No information available

14.7.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Technical name	Isopropanol
Ship type	No information available
Annex II	No information available

SECTION 15: Regulatory information

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

- Regulation 1907/2006/EC (REACH) and successive modifications
- Regulation 1272/2008 (CLP) and successive modifications
- D.Lgs. 81/2008 and successive modifications and Dir. 2009/161/EU
- Regulation 453/2010/EC Annex II

International Inventories

Isopropanol in the product is on the following Inventory lists:.

TSCA	-
EINECS/ELINCS	-
DSL/NDSL	-
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-

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/NDSL - 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 information available

SECTION 16: Other information

CLP/GHS - Regulation

Hazard Statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
Training appropriate for workers is required to ensure protection of human health and environment.

Other Information:

HMIS Rating: Health hazard – 2; Chronic Health Hazard - *; Flammability – 3; Physical Hazard - 0
NFPA Rating: Health hazard – 2; Fire Hazard – 3; Reactivity Hazard – 0
WHMIS 1988 Classification: B2 - Flammable Liquid; D2B – Other effects – Toxic.

Source of data

R.T.E.C.S. - REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
A.C.G.I.H. - AMERICAN CONFERENCE OF INDUSTRIAL HYGIENISTS
H.S.D.B. - HAZARDOUS SUBSTANCES DATA BANK
N.I.O.S.H. - NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
N.T.P. - NATIONAL TOXICOLOGY PROGRAM
NLM – National Library of Medicine
I.A.R.C. - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
ECHA (European chemicals agency) databases
FDA (Food & Drug administration) database
EMA (European Medicines agency) documents
ChemAdvisor
Chemspider database

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End of Safety Data Sheet