



SAFETY DATA SHEET

ISOPROPYL ALCOHOL

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

PRODUCT NAME: ISOPROPYL ALCOHOL
PART No.: RM134, RM135
SYNONYMS, TRADE NAMES: sec-PROPYL ALCOHOL, ISOPROPANOL, PROPAN-2-OL, IPA
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

EU INDEX No.: 603-117-00-0
EEC (EINECS) No.: 200-661-7
CAS No.: 67-63-0

3. HAZARDS IDENTIFICATION:

Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION: Move affected person to fresh air. If recovery not rapid, seek medical attention. If breathing stops, provide artificial respiration. Keep affected person warm and at rest.

INGESTION: DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.

SKIN: Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention.

EYES: Rinse immediately with copious amounts of water. If irritation or discomfort persists, seek medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Halon. Carbon dioxide (CO ₂).
SPECIAL FIRE FIGHTING PROCEDURES:	Use gentle application of water spray to keep exposed containers cool or to dissipate vapour.
UNUSUAL FIRE & EXPLOSION HAZARDS:	May explode when heated or when exposed to flames or sparks. Vapour may travel considerable distance to source of ignition and flash back.
HAZARDOUS COMBUSTION PRODUCTS:	Burning will produce oxides of carbon.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Wear appropriate protective clothing. Eliminate all sources of ignition. Do not breathe vapour or fumes. Ventilate area to dispel residual vapour or fumes.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements. Absorb small quantities with paper towels or other inert material and allow to evaporate in safe place (fume hood/cupboard).

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Spillages will create a fire hazard. Avoid vapour formation and ignition sources. Avoid inhalation of vapours. Ensure good ventilation and local exhaust extraction in work place. (engineering controls must be to explosion/flameproof standard). Earth container and transfer equipment to eliminate accumulation of static charge.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Flammable/combustible - Keep away from oxidising agents, heat and flames.
STORAGE CRITERIA:	Flammable liquid storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
ISOPROPYL ALCOHOL	67-63-0	OES	400 ppm	500 ppm

VENTILATION:	Provide adequate general and local exhaust ventilation. Work in fume cupboard.
RESPIRATORS:	For short periods of work, a suitable RPE fitted with a combination charcoal or organic vapour cartridge is recommended.
PROTECTIVE GLOVES:	Use impervious gloves made of butyl rubber or PVC.
EYE PROTECTION:	Approved chemical safety goggles or face protection.

OTHER PROTECTION:	Use engineering controls to reduce air contamination to permissible exposure level. Wear personal protective equipment appropriate to the quantity of material handled.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Clear colourless liquid.		
ODOUR/TASTE:	Characteristic, alcoholic odour.		
BOILING POINT (°C, interval):	~ 82	Pressure:	
MELT/FREEZ. POINT (°C, interval):	~ -88		
DENSITY/SPECIFIC GRAVITY (g/ml):	~ 0.79	Temperature (°C):	20
VAPOUR DENSITY (air=1):	2.07		
VAPOUR PRESSURE:	4100 Pa	Temperature (°C):	20
EVAPORATION RATE:	1.5	Reference:	BuAc=1
VOLATILE BY VOL. (%):	100		
SOLUBILITY DESCRIPTION:	Miscible with water. Soluble in: Organic solvents (most).		
FLASH POINT (°C):	~ 12	Method:	CC (Closed cup).
AUTO IGNITION TEMP. (°C):	~ 425		
FLAMMABILITY LIMIT - LOWER(%):	2		
FLAMMABILITY LIMIT - UPPER (%):	12		

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid heat, flames and other sources of ignition. Avoid accumulation of static electricity.
MATERIALS TO AVOID:	Oxidising agents. Sulphuric acid, Nitric acid. Can react exothermically with aluminium.
HAZARDOUS DECOMP. PRODUCTS:	Thermal decomposition or burning will release oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE - LD 50:	5000 mg/kg (oral rat)
HEALTH HAZARDS, GENERAL:	Intoxicating if inhaled or ingested.
INHALATION:	May cause transient irritation to the respiratory system. Exposure to high vapour concentration may cause central nervous system depression or systemic effects similar to those of ingestion.
INGESTION:	May cause nausea, vomiting, dizziness and depression of CNS.
SKIN:	Repeated or prolonged contact may cause dermatitis.
EYES:	May cause transient eye irritation or damage.

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HEALTH WARNINGS: On (prolonged) contact may cause mild drying (and/or cracking) of skin and eye irritation.

ROUTE OF ENTRY: Inhalation.

12. ECOLOGICAL INFORMATION:

Ecotoxicological data LC50 fish > 100 mg/l

ECOLOGICAL INFORMATION: Regarded as having low toxicity to aquatic organisms.

MOBILITY: Water soluble, will partition to aqueous phase. Lost within short period through evaporation and dissolution. Poorly absorbed onto soils or sediments.

BIO ACCUMULATION: Low bioaccumulation potential.

DEGRADABILITY: Readily biodegradable. Poses a risk of oxygen depletion in aquatic systems.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS: This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

WASTE CLASS: WASTE CODE: 0705** HAZARDOUS PROPERTY: H3-A, (H4)

14. TRANSPORT INFORMATION:

UN No. ROAD: 1219

UK ROAD PACK GR.: II

ADR CLASS No.: 3

ADR CLASS: Class 3: Flammable liquids.

ADR ITEM No.: 3°(b)

HAZARD No. (ADR): 33 Highly flammable liquid (flash-point below 23°C).

ADR MARGINAL: 2301

ADR LABEL No.: 3

HAZCHEM CODE: 2YE

PROPER SHIPPING NAME I: ISOPROPANOL (ISOPROPYL ALCOHOL)

ROAD TRANSPORT NOTES: Flash point: 12°C

UN No. SEA: UN 1219

IM DG CLASS: 3.2

IM DG PAGE No.: 3244

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IM DG PACK GR.: II
MARINE POLLUTANT: No.
UN No., AIR: UN-ID 1219
ICAO CLASS: 3
AIR PACK GR.: II

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES: R-11 Highly flammable.
R-36 Irritating to eyes.
R-67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES: S-2 Keep out of reach of children.
S-7 Keep container tightly closed.
S-16 Keep away from sources of ignition - No Smoking.
S-24/25 Avoid contact with skin and eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

UK REGULATORY REFERENCES: Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.

16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.

REVISION COMMENTS: Edition 01; Revised item(s):

ISSUED BY: MK

SDS No.: 253

DATE: 12/07/02

DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.

HOW TRIBAL

52845 White Eagle Rd Baraboo WI 53913
(608) 355-5177

Patient Education for Bob Test

DOB: 5/21/1975

Prescription #: 6312896

Product: ATENOLOL 100 MG TABLET

Dispense Date: 9/1/2015

Pharmacist: Hussain Harun

ATENOLOL 100 MG TABLET

USES:

Atenolol is used with or without other medications to treat high blood pressure (hypertension). Lowering high blood pressure helps prevent strokes, heart attacks, and kidney problems. This medication is also used to treat chest pain (angina) and to improve survival after a heart attack. Atenolol belongs to a class of drugs known as beta blockers. It works by blocking the action of certain natural chemicals in your body, such as epinephrine, on the heart and blood vessels. This effect lowers the heart rate, blood pressure, and strain on the heart.

HOW TO USE:

See also Warning section. Take this medication by mouth with or without food as directed by your doctor, usually 1 to 2 times daily. Apple juice and orange juice may prevent your body from fully absorbing atenolol. It is best to avoid drinking apple/orange juice within 4 hours of taking atenolol, unless your doctor or pharmacist tells you otherwise. The dosage is based on your medical condition and response to treatment. Use this medication regularly in order to get the most benefit from it. To help you remember, take it at the same time(s) each day. It is important to continue taking this medication even if you feel well. Most people with high blood pressure do not feel sick. If this product is used for chest pain, it must be taken regularly to be effective. It should not be used to treat chest pain when it occurs. Use other medications (such as nitroglycerin placed under the tongue) to relieve chest pain as directed by your doctor. It may take 1 to 2 weeks before you get the full benefit of this medication. Tell your doctor if your condition does not improve or if it worsens (for example, if your blood pressure readings remain high or increase, if your chest pain occurs more often).

SIDE EFFECTS:

See also Warning and Precautions sections. Dizziness, lightheadedness, tiredness, and nausea may occur. If any of these effects persist or worsen, tell your doctor or pharmacist promptly. To reduce the risk of dizziness and lightheadedness, get up slowly when rising from a sitting or lying position. This drug may reduce blood flow to your hands and feet, causing them to feel cold. Smoking may worsen this effect. Dress warmly and avoid tobacco use. Remember that your doctor has prescribed this medication because he or she has judged that the benefit to you is greater than the risk of side effects. Many people using this medication do not have serious side effects. Tell your doctor right away if any of these unlikely but serious side effects occur: very slow heartbeat, severe dizziness, fainting, trouble breathing, blue fingers/toes, mental/mood changes (such as confusion, mood swings, depression). Although this medication may be used to treat heart failure, some people may rarely develop new or worsening symptoms of heart failure. Tell your doctor right away if you experience any of these unlikely but serious side effects: swelling ankles/feet, severe tiredness, shortness of breath, unexplained/sudden weight gain. A very serious allergic reaction to this drug is rare. However, get medical help right away if you notice any of the following symptoms of a serious allergic reaction: rash, itching/swelling (especially of the face/tongue/throat), severe dizziness, trouble breathing. This is not a complete list of possible side effects. If you notice other effects not listed above, contact your doctor or pharmacist. In the US - Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088. In Canada - Call your doctor for medical advice about side effects. You may report side effects to Health Canada at 1-866-234-2345.

PRECAUTIONS:

Before taking atenolol, tell your doctor or pharmacist if you are allergic to it; or if you have any other allergies. This product may contain inactive ingredients, which can cause allergic reactions or other problems. Talk to your pharmacist for more details. Before using this medication, tell your doctor or pharmacist your medical history, especially of: certain types of heart rhythm problems (such as slow heartbeat, second- or third-degree atrioventricular block), breathing problems (such as asthma, chronic bronchitis, emphysema), blood circulation problems (such as Raynaud's disease, peripheral vascular disease), kidney disease, serious allergic reactions including those needing treatment with epinephrine, a certain muscle disease (myasthenia gravis). This drug may make you dizzy. Do not drive, use machinery, or do any activity that requires alertness until you are sure you can perform such activities safely. Limit alcoholic beverages. Before having surgery, tell your doctor or dentist about all the products you use (including prescription drugs, nonprescription drugs, and herbal products). If you have diabetes, this product may prevent the fast/pounding heartbeat you would usually feel when your blood sugar level falls too low (hypoglycemia). Other symptoms of low blood sugar, such as dizziness and sweating, are unaffected by this drug. This product may also make it harder to control your blood sugar levels. Check your blood sugar levels regularly as directed by your doctor. Tell your doctor immediately if you have symptoms of high blood sugar such as increased thirst/urination. Your doctor may need to adjust your diabetes medication, exercise program, or diet. This medication is not recommended for use during pregnancy. It may harm an unborn baby. Consult your doctor for more details. This medication passes into breast milk and may have undesirable effects on a nursing infant. Consult your doctor before breast-feeding.

DRUG INTERACTIONS:

See also How To Use section. Drug interactions may change how your medications work or increase your risk for serious side effects. This document does not contain all possible drug interactions. Keep a list of all the products you use (including prescription/nonprescription drugs and herbal products) and share it with your doctor and pharmacist. Do not start, stop, or change the dosage of any medicines without your doctor's approval. A product that may interact with this drug is: fingolimod. Check the labels on all your medicines (such as cough-and-cold products, diet aids, or NSAIDs such as ibuprofen, naproxen) because they may contain ingredients that could increase your heart rate/blood pressure or worsen your heart failure. Ask your pharmacist for more details.

NOTES:

Do not share this medication with others. Lifestyle changes such as stress reduction programs, exercise and dietary changes may increase the effectiveness of this medicine. Talk to your doctor or pharmacist about lifestyle changes that might benefit you. Check your blood pressure and pulse (heart rate) regularly while taking this medication. Learn how to monitor your own blood pressure and pulse at home, and share the results with your doctor.

MISSED DOSE:

If you miss a dose, take it as soon as you remember. If it is near the time of the next dose, skip the missed dose and resume your usual dosing schedule. Do not double the dose to catch up.

STORAGE:

Store at room temperature away from light and moisture. Do not store in the bathroom. Keep all medications away from children and pets. Do not flush medications down the toilet or pour them into a drain unless instructed to do so. Properly discard this product when it is expired or no longer needed. Consult your pharmacist or local waste disposal company for more details.