



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

PRODUCT NAME - Imanol

SYNONYMS, TRADE NAMES - 2-propanol, , IPA, , IPS, , Propan-2-ol, , Sec-Propyl Alcohol, , Isopropyl Alcohol, , Isopropanol

SUPPLIER

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2. HAZARDS IDENTIFICATION

Highly flammable.

Vapours may cause drowsiness and dizziness. Irritating to eyes.

CLASSIFICATION

Xi;R36. F;R11. R67.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS-No	Content	Classification
PROPAN-2-OL F	200-661-7	67-63-0 50	100%	F:R11 Xi;R36 R67

EU INDEX NO. 603-117-00-0

EC No. 200-661-7

CAS-No. 67-63-0

4. FIRST-AID MEASURES

INHALATION

Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions. Perform artificial respiration if breathing has stopped.

INGESTION

Do not induce vomiting. Get medical attention.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Obtain medical attention and bring these instructions.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

UNUSUAL FIRE & EXPLOSION HAZARDS

HIGHLY FLAMMABLE! Vapours are heavier than air and may spread near ground to sources of ignition.

SPECIFIC HAZARDS

Oxides of: Carbon.

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing.



6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Remove sources of ignition. Absorb with inert, damp, non-combustible material, and then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Eliminate all sources of ignition. Storage tanks and other containers must be grounded. Static electricity and formation of sparks must be prevented. Mechanical ventilation or local exhaust ventilation is required.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Keep containers tightly closed. Protect from freezing and direct sunlight. Store in a cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	ppm LT - mg/m3	ST - ppm	ST - mg/m3
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3



PROTECTIVE EQUIPMENT

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection.

HAND PROTECTION

Nitrile gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Liquid

COLOUR Colourless

ODOUR Odour of alcohol

SOLUBILITY Soluble in water.

MOL. WEIGHT 60

RELATIVE DENSITY 0.786 20

VAPOUR DENSITY (air=1) >1

EVAPORATION RATE 1.2

FLASH POINT (°C) 12

FLAMMABILITY LIMIT - LOWER (%) 2.0

BOILING POINT (°C) 82 - 83

BULK DENSITY 785 kg/m3

VAPOUR PRESSURE 4.3 kPa 20

VISCOSITY 2.65 cSt 25

AUTO IGNITION TEMPERATURE (°C) >350

FLAMMABILITY LIMIT - UPPER (%) 12.7

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Aldehydes. Amines. Strong oxidising substances. Other halogenated organics.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.



11. TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50

5840 mg/kg (oral rat)

INHALATION

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness. Central nervous system depression.

INGESTION

11 Cont.- May cause nausea, headache, dizziness and intoxication. Narcotic effect.

SKIN CONTACT

Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Irritation of eyes and mucous membranes.

12. ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l

9600 (Fathead Minnow)

EC 50, 48 Hrs, DAPHNIA, mg/l >10000

MOBILITY

The product is soluble in water.

BIOACCUMULATION

The product is not bioaccumulating.

DEGRADABILITY

The product is biodegradable.

ACUTE FISH TOXICITY

Not considered toxic to fish.

WATER HAZARD CLASSIFICATION

WGK 1

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Do not puncture or incinerate even when empty.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



UK ROAD CLASS 3

PROPER SHIPPING NAME ISOPROPANOL (ISOPROPYL ALCOHOL)

UN NO. ROAD

1219

UK ROAD PACK GR

II

ADR CLASS NO.

3

ADR CLASS Class 3: Flammable liquids.

ADR PACK GROUP

II

HAZARD No. (ADR)

33

ADR LABEL NO.

3

HAZCHEM CODE

2YE

CEFIC TEC(R) NO.

30GF1-I+II

RID CLASS NO.

3

RID PACK GROUP

II

UN NO. SEA

1219

IMDG CLASS

3

IMDG PACK GR

II

EMS

F-E, S-D

MARINE POLLUTANT

No

UN NO. AIR

1219

AIR CLASS

3

AIR PACK GR.

II

15. REGULATORY INFORMATION

LABELLING



Irritant Highly Flammable

RISK PHRASES

R11 Highly flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51 Use only in well-ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.
Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.