



This Safety Data Sheet has been prepared in accordance with the requirements of EC Directive 1999/45/EC and provides information relating to the safe handling and use of the product.

QTEK BENCH CLEAN

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bench Clean

Manufacturer: QTEK Manufacturing Ltd.,
IDA Business Park,
Athenry,
Galway,
Ireland.

Telephone Number: (353) 91 850222
Fax Number: (353) 91 850233

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Substance formal name: 1-Methoxy-2-propanol

Substance chemical family: Alcohol

CAS Number: 000107-98-2

EINECS: 203-539-1

SECTION 3: HAZARDS IDENTIFICATION

Safety hazards: Flammable.

Environmental hazards: Not classified as dangerous under EU criteria.

SECTION 4: FIRST AID MEASURES

Eye Contact Flush eye with water. If persistent irritation occurs, obtain medical attention.

Skin Contact Wash promptly with soap and water if available. If persistent irritation occurs, obtain medical attention.

Inhalation Remove person to fresh air. If rapid recovery does not occur, obtain medical attention.

Ingestion DO NOT induce vomiting. If rapid recovery does not occur, obtain medical attention. Give water to drink, providing patient is conscious.

Advice to physicians: No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

SECTION 5: FIRE FIGHTING MEASURES

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Extinguishing Media: Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Hazardous Combustion Products: None known. Complete combustion will give carbon dioxide and water.

Protective equipment: Full protective clothing and self contained breathing apparatus.

Other information: Keep adjacent containers cool by spraying with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk.

Personal protection: Wear PVC, neoprene, or nitrile rubber gloves, PVC one-piece suit with integral hood, safety boots, rubber, knee length. Wear full face-piece respirator with organic vapour canister NPF 400. In a confined space, wear self-contained breathing apparatus open circuit type NPF 2000.

Environmental precautions: Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

Clean-up methods - small spillage:

Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum. Flush contaminated area with plenty of water. Retain washings as contaminated waste.

Clean-up methods - large spillage:

Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid prolonged or repeated contact with skin. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Take precautionary measures against static discharges. Earth all equipment. Do not empty into drains.

Handling temperatures: Ambient.

Storage: Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas. Keep container tightly closed and in a well-ventilated place.

Storage temperatures: Ambient.

Product transfer: Take precautionary measures against static discharges. Earth all equipment. Avoid splash filling.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering control measures:

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Use only in well-ventilated areas.

Respiratory protection: No specific measures.

Eye protection: Monogoggles.

Body protection: Standard issue work clothes. Safety shoes or boots - chemical resistant.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid at ambient temperature.
Colour: Clear.
Odour: Ethereal
Boiling point / range: 120°C
Freezing point / range: -97°C
Vapour pressure: 11.5 mbar @ 20°C
Density: 0.921 @ 20°C
Flash point: 31°C (SETA)
Explosion limit - upper: 13.74% (v/v)
Explosion limit - lower: 1.48% (v/v)
Auto-ignition temperature: 287°C

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat, flames and sparks.
Materials to avoid: Strong oxidising agents. Strong acids.
Hazardous Decomposition Products:
None Known.

SECTION 11: TOXICOLOGICAL INFORMATION

Basis for assessment: Information given is based on product data.
Acute toxicity - oral: LD50 = 6,000 mg/kg
Acute toxicity - dermal: LD50 = 11,000 mg/kg in rabbits
Acute toxicity - inhalation: Objectionable at 100ppm, intolerable at 1,000ppm. Anesthetic effects above 1,000ppm.
Eye irritation: Slight irritant.
Skin irritation: Slight irritant.
Respiratory irritation: Irritant in animal studies.
Skin sensitisation: May cause skin sensitisation.
(Sub) chronic toxicity: Repeated exposure causes liver damage.

SECTION 12: ECOLOGICAL INFORMATION

Basis for assessment: Information is given on product data.
Mobility: Large volumes may penetrate soil and could contaminate groundwater.
Persistence/Degradability: Readily biodegradable.

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Acute toxicity - fish: LC50 = 20,800 mg/l

Acute toxicity - daphnia: EC50 = 23,300 mg/l

Acute toxicity - algae: IC50 > 1,000 mg/l

Acute toxicity - bacteria: IC50 > 100 mg/l

SECTION 13: DISPOSAL CONSIDERATIONS

Precautions: Refer to Section 7 before handling the products or containers.
Waste disposal: Recover or recycle if possible. Otherwise incineration.
Product disposal: Recover or recycle if possible. Otherwise incineration.
Container disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Send to drum recoverer or metal reclaimer. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

SECTION 14: TRANSPORT INFORMATION

US Number: 3029
UN Class/Packing Group: 3/II
U.N. Proper shipping name: ISOPROPANOL (Isopropyl alcohol)
UN Number (sea transport, IMO): 3029
IMO Class/Packing Group: 3.3/III
IMO Symbol: Flammable liquid
IMO Marine pollutant: No
IMO Proper shipping name: 1-Methoxy-2-Propanol
ADR/RID Class/Item: 3-31c
ADR/RID Symbol: Flammable liquid
ADR/RID Kemler number: 3-31c
ADR/RID Proper shipping name: 1-Methoxy-2-Propanol
UN Number (air transport, ICAO): 3029
IATA/ICAO Class/Packing Group: 3.3/III
IATA/ICAO Symbol: Flammable liquid
IATA/ICAO Proper shipping name: 1-Methoxy-2-Propanol
Local regulations:

SECTION 15: REGULATORY INFORMATION

EC Classification: Flammable
Hazard Sybol: None required
EINECS (EC): 203-539-1

SECTION 16: OTHER INFORMATION

SDS Distribution: The information in this document should be made available to all who may handle the product.

The data contained herein is based on information currently available to QTEK Manufacturing Ltd. and is believed to be factual. As a blender, and compounder, QTEK does not manufacture the raw materials used in this product and correspondingly relies on information provided to QTEK Manufacturing Ltd. from material safety data sheets on the specific

MATERIAL SAFETY DATA SHEET

Part No: 3610/3611/6650

Revision Date: 17th January 2006:

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