

DISINFECTANT SOLUTION



1. Identification of the substance / preparation and the Company

Product name Epochem AD

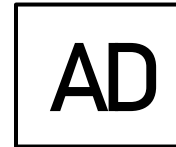
Use of the substance / preparation Intended use

Company identification Name Epoxy Oilserv Nig Ltd.

Full address Email: sales@epoxyoil.com, www.epoxyoil.com

Tel: [Tel:+234-80-533-90-165](tel:+234-80-533-90-165), +234-80-533-90-164, +234-70-58-465-968

Emergency telephone **Tel:** [Tel:+234-80-533-90-165](tel:+234-80-533-90-165), +234-80-533-90-164, +234-70-58-465-968



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2. Hazards Identification

| Classification | |
|--|----------|
| Hazard class | Category |
| Flammable Liquid | 3 |
| Eye irritation | 2A |
| Specific target organ toxicity(single exposure) | 3 |
| | |

Hazard: Flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

Precaution: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed Ground/ Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use only outdoors or in a well ventilated area. Wear protective gloves/eye protection/face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

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3. Composition / Information on ingredients Contains:

| Chemical Name | CAS# | % by wt |
|-------------------|----------|---------|
| Isopropyl Alcohol | 67-63-0 | 10-30 |
| 2-Butoxyethano | 111-76-2 | 1-5 |
| | | |

4. First aid measures

In Case of Inhalation:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor if victim feels unwell.

In Case of Skin Contact:

In case of contact, IMMEDIATELY flush skin with plenty of water. Remove contaminate clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

In Case of Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical advice/attention.

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In Case of Ingestion:

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

5. Fire-fighting measures

Flash Pt:

N/A

Explosive Limits:

LEL: No Data UEL: No Data

Auto Ignition Pt:

N/A

Suitable Extinguishing Media:

Water fog, carbon dioxide, dry chemical or alcohol foam.

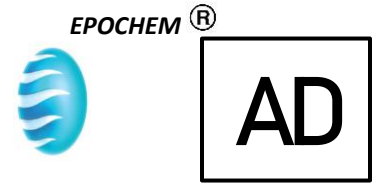
Fire Fighting Instructions:

Keep upwind of fire. Wear full fire fighting tun-out gear (full Bunker gear) and respiratory protection (SCBA).

Flammable Properties and Hazards:

No data available.

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6. Protective equipment for Fire-fighters

Protective Precautions,

Protective Equipment and Emergency Procedures:

Use personal protection recommended.
Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Eliminate sources of ignition.

Steps to Be Taken in Case Material
is Released or Spilled:

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways.
Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container. Provide ventilation.

7. Handling and storage

Precautions to Be Taken in Handling:

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharge. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with

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care. When using do not eat, drink or smoke. Use only non-sparking tools. Use only outdoors or in well ventilated area.

Precautions to Be Taken in Storing: Proper grounding procedures to avoid static electricity should be followed. Keep locked up and keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep cool.

8. Exposure controls/Personal protection

Control Parameters

Exposure guidelines

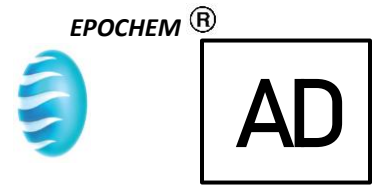
| Chemical Name | ACGH TLV | OSHA PEL |
|----------------------------|----------|----------------------|
| Isopropyl Alcohol(67-63-0) | 200ppm | 980mg/m ³ |
| 2-Butoxyethanol(111-76-2) | 20ppm | 240mg/m ³ |

Respiratory Equipment:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Eye Protection:

Wear approved eye protection (properly fitted dust or splash proof chemical safety goggles) and face protection (face shield).



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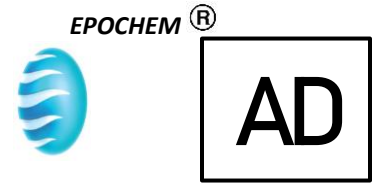
Protective Gloves: N/A

Other Protective Clothing: Wear chemical protective clothing.

Engineering Controls (Ventilation etc.): Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

9. Physical and chemical properties

| | |
|--|--|
| Physical State: Liquid | Upper/Lower Flammability or Exposure Limits: Not Determined |
| Appearance: Colorless Liquid | Vapor Pressure (vs. Air or Mm Hg): Not Determined |
| Odor: Alcohol-like | Vapor Density (vs. Air=1): Not Determined |
| Odor Threshold: Not Determined | Relative Density: 0.97 |
| pH: 7.6 | Solubility: Not Determined |
| Melting Point / Freezing Point: Not Determined | Partition Coefficient (n-octanol/water): Not Determined |
| Initial Boiling Point and Boiling Range: Not Determined | Auto-ignition Temperature: Not Determined |
| Flash Point: 30°C (86°F) TCC | Decomposition Temperature: Not Determined |
| Evaporation Rate: Not Determined | Viscosity: Not Determined |
| Flammability (solid, gas): Flammable | Specific Gravity (Water=1): Not Determined |

DISINFECTANT SOLUTION**10. Stability and reactivity**

| | |
|--|--|
| Stability: | Stable under recommended storage conditions. May form flammable/explosive vapor-air mixture. |
| Conditions to Avoid: | Heat. Incompatible materials. Sources of ignition. |
| Incompatible-Materials to Avoid: | Oxidizers. |
| Hazardous Decomposition Products: | May include and are not limited to: oxides of carbon. |
| Hazardous Reactions: | Not reactive under normal conditions. |

11. Toxicological Information**Information on Toxicological Effects**

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion

Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity:**Product**

ATE (oral) >2000 mg/kg, rat

ATE (dermal) >2000 mg/kg, rabbit

ATE (inhalation) >20 mg/l/4h

Component Information

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| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------|---------------------------|--------------------|------------------------|
| Isopropyl alcohol (67-63-0) | 4396 mg/kg (rat) (rat) | 12800 mg/kg (rat) | 72.6 mg/l/4h |
| 2-Butoxyethanol (111-76-2) | 470 mg/kg (rat) | Not available | 450 ppm/4h (rat) |

12. Ecological information**No Eco-toxicological effects****13 Disposal consideration**

Dispose of the product and container in accordance with all applicable local, state, and federal regulations. The generation of waste should be avoided or minimized whenever possible. Handle empty containers with care because residual vapors are flammable

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14. Transport information

Land Transport

DOT Proper Shipping Name: Not regulated (49 CFR § 173.150(e))

DOT Hazard Class:

UN/NA Number:

Air Transport (ICAO/IATA):

ICAO/IATA Shipping Name: Regulated

IMDG (Vessel): Regulated (Greater than 5 liters otherwise limited quantity)

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information. UN1987, Alcohols, n.o.s. (Isopropanol), 3, PG III

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15. Regulatory information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

CAUTION

Harmful if inhaled or absorbed through skin. Causes moderate eye irritation.

Avoid breathing vapors, and contact with eyes, skin or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove contaminated clothing and wash clothing before reuse.

Do not use or store near heat or open flame

16. Other Information

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 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 designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.