

IPA SANITIZER

SECTION 1. IDENTIFICATION

| | |
|---|--|
| Product Identifier | IPA SANITIZER |
| Other Means of Identification | Code: ECJ-113 |
| Other Identification | NPN: 80099141 |
| Recommended Use | Sanitizer. |
| Restrictions on Use | For food plant and industrial use only. |
| Manufacturer/Supplier Identifier | Epsilon Chemicals Ltd., 1926-94 Street N.W., Edmonton, Alberta, T6N1J3, (780) 438-3040 |
| Emergency Phone No. | Epsilon Chemicals Inc., 1-800-361-6348 , (during regular work hours) |

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 3; Eye irritation - Category 2A

Label Elements



Signal Word:
Danger

Hazard Statement(s):

H226 Flammable liquid and vapour.
H320 Causes eye irritation.
H303 + H333 May be harmful if swallowed or if inhaled.

Precautionary Statement(s):

Prevention:

P210 Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.
P233 Keep container tightly closed.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315 Get immediate medical advice/attention.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P314 Get medical advice or attention 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.

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Get medical attention.

Storage:

Store locked up in a cool, well-ventilated place away from possible contaminants.

Keep container closed when not in use.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|-------------------|---------|-------|-------------------|-------------|
| Isopropyl Alcohol | 67-63-0 | 69-71 | | |

Notes

Concentrations are expressed in % volume/volume.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

If skin irritation occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Get medical attention.

Ingestion

Rinse mouth with water. Do not induce vomiting. Get immediate medical attention.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled: may cause nose and throat irritation, eye irritation, dizziness, headaches, nausea. A severe exposure can cause unconsciousness. May be fatal.

If on skin: prolonged or repeated contact on sensitive skin may cause dermatitis.

If swallowed: may cause headaches, nausea, vomiting, stomach cramps, diarrhea. A severe exposure can cause unconsciousness. May be fatal.

If in eyes: liquids and mists can cause visual impairment or corneal burns. The vapour also irritates the eyes.

Immediate Medical Attention and Special Treatment

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Do not use a direct water stream.

Specific Hazards Arising from the Product

Can ignite if strongly heated.

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In a fire, the following hazardous materials may be generated: toxic chemicals; very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Use water spray to cool fire-exposed containers.

Firefighters should wear full protective clothing including self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Keep out unnecessary and unprotected personnel. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Use appropriate certified respirators when facing concentrations above exposure limit. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Absorb with noncombustible material such as vermiculite, earth or sand. Use non-sparking tools to collect absorbed material. Place used absorbent into suitable, covered, labelled containers for disposal.

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe in this product. Do not get in eyes. Do not swallow. Only use where there is adequate ventilation. Avoid generating vapours or mists.

Immediately report leaks, spills or failures of the safety equipment (e.g. ventilation system). Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Keep containers tightly closed when not in use or empty.

Conditions for Safe Storage

Store in an area that is: cool, dry, temperature-controlled, well-ventilated, out of direct sunlight and away from heat and ignition sources, clear of combustible and flammable materials (e.g. old rags, cardboard), separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH® TLV® | | OSHA PEL | |
|-------------------|-------------|----------|----------|---------|
| | TWA | STEL [C] | TWA | Ceiling |
| Isopropyl Alcohol | 200 ppm | 400 ppm | 400 ppm | |

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. TWA = Time-Weighted Average. STEL = Short-term Exposure Limit. C = Ceiling limit.

Appropriate Engineering Controls

Provide eyewash in work area, if contact or splash hazard exists. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

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Skin Protection

Not required, if used as directed.

Respiratory Protection

Use appropriate certified respirators when facing concentrations above the exposure limit.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Basic Physical and Chemical Properties**

| | |
|---|---|
| Appearance | Clear colourless liquid. |
| Odour | Alcoholic |
| Odour Threshold | Not available |
| pH | Slightly acidic |
| Melting Point/Freezing Point | Not available (melting); -27 °C (-17 °F) (freezing) |
| Boiling Range | 82.78 °C (181.00 °F) |
| Flash Point | > 12 °C (54 °F) (closed cup) |
| Evaporation Rate | 3.0 (n-butyl acetate = 1) |
| Flammability (solid, gas) | Not applicable (liquid). |
| Upper/Lower Flammability or Explosive Limit | 12.7% (upper); 2.0% (lower) |
| Vapour Pressure | 33 mm Hg (4 kPa) at 20 °C |
| Vapour Density (air = 1) | 2.07 |
| Relative Density (water = 1) | 0.8700 - 0.8900 |
| Solubility | Very soluble in water |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic); Not available (dynamic) |
| Other Information | |
| Physical State | Liquid |

SECTION 10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Incompatible materials. Open flames, sparks, static discharge, heat and other ignition sources. Contact with combustible materials.

Incompatible Materials

Acids, strong bases (e.g. sodium hydroxide), oxidizing agents (e.g. peroxides), perchlorates, halogens (e.g. chlorine).

Hazardous Decomposition Products

Ethylene oxide; very toxic, flammable aldehydes; amines; very toxic carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

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Likely Routes of Exposure

Skin contact; eye contact; ingestion; inhalation.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|-------------------|-----------------------------------|------------------|----------------------|
| Isopropyl Alcohol | 17000 ppm (rat) (4-hour exposure) | 4720 mg/kg (rat) | 12890 mg/kg (rabbit) |

Skin Corrosion/Irritation

Prolonged or repeated exposure on sensitive skin may cause dermatitis.

Serious Eye Damage/Irritation

Liquids and mists can cause visual impairment or corneal burns. The vapour also irritates the eyes.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation, eye irritation, dizziness, headaches, nausea.

A severe exposure can cause unconsciousness. May result in death.

Ingestion

May cause headaches, nausea, vomiting, stomach cramps, diarrhea.

A severe exposure can cause unconsciousness. Death may occur.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|-------------------|---------|--------|------------|------------|
| Isopropyl Alcohol | Group 3 | A4 | Not Listed | Not Listed |

Key to Abbreviations

IARC = International Agency for Research on Cancer. Group 3 = Not classifiable as to its carcinogenicity to humans.

ACGIH® = American Conference of Governmental Industrial Hygienists. A4 = Not classifiable as a human carcinogen.

NTP = National Toxicology Program.

OSHA = US Occupational Safety and Health Administration.

No information was located for: Aspiration Hazard, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No information was located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product and its container should be disposed of in accordance with local, regional, national and international regulations.

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SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|---------------------------------------|----------------------------|---------------|
| Canadian TDG | 1993 | Flammable Liquids (Isopropyl Alcohol) | 3 | II |
| US DOT | 1993 | Flammable Liquids (Isopropyl Alcohol) | 3 | II |

Special Precautions Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

SECTION 16. OTHER INFORMATION

SDS Prepared By Technical Service Department, Epsilon Chemicals

Phone No. (780) 438-3040

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References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Disclaimer The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.

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