

**SAFETY DATA SHEET**

Revision Date: 06/04/2020

Print Date: 10/11/2020

SDS Number: 000000304276

Version: 2.4

INEOS™ ISOPROPYL ALCOHOL ANTISEPTIC 75%
TOPICAL SOLUTION Antiseptic Hand Rub, Non-
Sterile Solution
™ Trademark, INEOS or its subsidiaries, registered
in various countries
947408

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Trade name : INEOS™ ISOPROPYL ALCOHOL ANTISEPTIC 75%
TOPICAL SOLUTION
Antiseptic Hand Rub, Non-Sterile Solution
™ Trademark, INEOS or its subsidiaries, registered in
various countries

Relevant identified uses of the substance or mixture and uses advised against

Restrictions on use : Personal care
To be used only where there is a recognised need.

Details of the supplier of the safety data sheet

INEOS Composites US LLC
5220 Blazer Parkway
Dublin, OH 43017
United States of America (USA)
+1-614-790-9299 (in US)

sds.composites@ineos.com

Emergency telephone number

1-800-424-9300 (+1-703-527-3887 for direct
dial)

Regulatory Information Number

+1-614-790-9299 (in US), or contact your local
customer service representative

Product Information

+1-614-790-9299 (in US)

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable liquids : Category 2
Eye irritation : Category 2A
Specific target organ toxicity : Category 3 (Central nervous system)
- single exposure

GHS label elements

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Hazard pictograms



Signal Word

: Danger

Hazard Statements

: Highly flammable liquid and vapor.
 Causes serious eye irritation.
 May cause drowsiness or dizziness.

Precautionary Statements

: **Prevention:**
 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.
 Avoid breathing mist or vapors.
 Use only outdoors or in a well-ventilated area.
 Wear eye protection/ face protection.
Response:
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
 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.
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage:
 Store in a well-ventilated place. Keep cool.
 Store in a well-ventilated place. Keep container tightly closed.
Disposal:
 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance / Mixture : Mixture

Hazardous components

| Chemical name | CAS-No. | Classification | Concentration (%) |
|---------------|---------|---|--------------------|
| ISOPROPANOL | 67-63-0 | Flam. Liq. 2; H225 Eye Irrit. 2A; H319 STOT SE 3; H336 | >=66.00 - <= 75.00 |
| GLYCERIN | 56-81-5 | This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012). | >=1.00 - <= 1.20 |

Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Call a POISON CENTRE or doctor/physician if exposed or you feel unwell.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.
- If inhaled : Move to fresh air.
 Keep patient warm and at rest.
 If unconscious, place in recovery position and seek medical advice.
 Consult a physician after significant exposure.
- In case of skin contact : Call a physician if irritation persists.
 Wash contaminated clothing before re-use.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
 Remove contact lenses.
 Protect unharmed eye.
- If swallowed : Do not give milk or alcoholic beverages.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and : Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through

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delayed

the skin may include:
stomach or intestinal upset (nausea, vomiting, diarrhea)
irritation (nose, throat, airways)
confusion
lung edema (fluid buildup in the lung tissue)
Administration of high doses of isopropanol in combination
with known hepatotoxic chemicals resulted in enhanced liver
toxicity in experimental animals.
Causes serious eye irritation.
May cause drowsiness or dizziness.

Notes to physician

: No hazards which require special first aid measures.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local
circumstances and the surrounding environment.

Water spray
Foam
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing
media : High volume water jet

Hazardous combustion
products : Carbon dioxide (CO₂)
Carbon monoxide
Nitrogen oxides (NO_x)
Aldehydes

Specific extinguishing
methods :

Product is compatible with standard fire-fighting agents.

Further information : Fire residues and contaminated fire extinguishing water must
be disposed of in accordance with local regulations.
Use a water spray to cool fully closed containers.

Special protective equipment
for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions,
protective equipment and
emergency procedures : Evacuate personnel to safe areas.
Remove all sources of ignition.
Use personal protective equipment.
Ensure adequate ventilation.

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Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

- Environmental precautions : Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Non-sparking tools should be used.
- Other information : Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Open drum carefully as content may be under pressure. Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. Take precautionary measures against static discharges. Avoid exposure - obtain special instructions before use. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No smoking.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|-------------|---|-------------------------------|--|-----------|
| ISOPROPANOL | 67-63-0 | TWA | 200 ppm | ACGIH |
| | | STEL | 400 ppm | ACGIH |
| | | TWA | 400 ppm 980 mg/m ³ | NIOSH REL |
| | | ST | 500 ppm 1,225 mg/m ³ | NIOSH REL |
| | | TWA | 400 ppm 980 mg/m ³ | OSHA Z-1 |
| | | TWA | 400 ppm 980 mg/m ³ | OSHA P0 |
| | | STEL | 500 ppm 1,225 mg/m ³ | OSHA P0 |
| | | PEL | 400 ppm 980 mg/m ³ | CAL PEL |
| | | STEL | 500 ppm 1,225 mg/m ³ | CAL PEL |
| | | GLYCERIN | 56-81-5 | TWA |
| TWA | 15 mg/m ³ mist, total dust | | | OSHA Z-1 |
| PEL | 10 mg/m ³ Mist - total fraction | | | CAL PEL |
| PEL | 5 mg/m ³ Mist - respirable fraction | | | CAL PEL |
| TWA | 10 mg/m ³ Mist - total dust | | | OSHA P0 |
| TWA | 5 mg/m ³ Mist - respirable fraction | | | OSHA P0 |

Biological occupational exposure limits

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| Components | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
|-------------|---------|--------------------|---------------------|---------------------------------|---------------------------|----------------|
| ISOPROPANOL | 67-63-0 | Acetone | Urine | End of shift at end of workweek | 40 mg/l | ZUS_A CGIHB |

Engineering measures : Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Filter type : Organic vapour type

Hand protection

Remarks

: For prolonged contact use protective gloves. The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection : Wear as appropriate:

Impervious clothing

Safety shoes

Flame-resistant clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

For prolonged contact use protective gloves.

Hygiene measures : Wash hands before breaks and at the end of workday.

When using do not eat or drink.

When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid
 Colour : colourless
 Odour : alcohol-like
 Odour Threshold : not determined

pH : not determined

Melting point/freezing point : not determined

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| | |
|--|--|
| Boiling point/boiling range | : 180.5 °F / 82.5 °C Value for Component |
| Flash point | : 18.89 °C Method: Seta closed cup Value for Component |
| Evaporation rate | : > 1 Ethyl Ether = 1 |
| Flammability (solid, gas) | : No data available |
| Upper explosion limit | : not determined |
| Lower explosion limit | : not determined |
| Vapour pressure | : 6.05 kPa (25 °C) Value for Component |
| Relative vapour density | : > 1 (Air = 1.0) |
| Relative density | : not determined |
| Density | : 0.852 g/cm ³ (20 °C) |
| Solubility(ies) | |
| Water solubility | : soluble |
| Solubility in other solvents | : No data available |
| Partition coefficient: n- octanol/water | : not determined |
| Thermal decomposition | : not determined |
| Viscosity | |
| Viscosity, dynamic | : not determined |
| Viscosity, kinematic | : not determined |
| Oxidizing properties | : Not applicable |

SECTION 10. STABILITY AND REACTIVITY

| | |
|--------------------|---|
| Reactivity | : No decomposition if stored and applied as directed. |
| Chemical stability | : Stable under recommended storage conditions. |

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|------------------------------------|---|
| Possibility of hazardous reactions | : Vapours may form explosive mixture with air. |
| Conditions to avoid | : Heat, flames and sparks. |
| Incompatible materials | : Acids Aldehydes alkalis Amines Ethylene oxide halogenated hydrocarbons halogens isocyanates Strong bases Strong oxidizing agents Do not use with aluminum equipment at temperatures above 49C or 120 degrees F. |
| Hazardous decomposition products | : Carbon monoxide Carbon dioxide (CO ₂) |

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation
Skin contact
Eye Contact
Ingestion

Acute toxicity

Not classified based on available information.

Components:

ISOPROPANOL:

| | |
|---------------------------|---|
| Acute oral toxicity | : LD50 (Rat): 5.84 g/kg |
| Acute inhalation toxicity | : LC50 (Rat): > 10000 ppm Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 |
| Acute dermal toxicity | : LD50 (Rabbit): 12,800 mg/kg |

GLYCERIN:

| | |
|---------------------|---|
| Acute oral toxicity | : LD50 (Rat): 12,600 mg/kg Method: OECD Test Guideline 401 |
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Acute inhalation toxicity : LC50 (Rat): > 570 mg/m³
Exposure time: 1 h
Test atmosphere: vapour
Assessment: Not classified as acutely toxic by inhalation
under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 10 g/kg

Skin corrosion/irritation

Not classified based on available information.

Product:

Result: Repeated exposure may cause skin dryness or cracking.

Remarks: May cause skin irritation in susceptible persons.

Components:

ISOPROPANOL:

Species: Rabbit

Result: No skin irritation

GLYCERIN:

Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

Components:

ISOPROPANOL:

Species: Rabbit

Result: Irritating to eyes.

Method: OECD Test Guideline 405

GLYCERIN:

Result: Slight, transient irritation

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

ISOPROPANOL:

Test Type: Buehler Test

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Species: Guinea pig
 Assessment: Does not cause skin sensitisation.
 Method: OECD Test Guideline 406

Germ cell mutagenicity
 Not classified based on available information.

Components:

ISOPROPANOL:

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
 Test species: Chinese hamster ovary cells
 Metabolic activation: with and without metabolic activation
 Method: OECD Test Guideline 476
 Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

Components:

ISOPROPANOL:

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

Components:

ISOPROPANOL:

Remarks: Central nervous system

Carcinogenicity:

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Short-term (acute) aquatic hazard : Not classified based on available information.

Long-term (chronic) aquatic hazard : Not classified based on available information.

Components:

ISOPROPANOL:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l
 Exposure time: 96 h
 Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 10,000 mg/l
 Exposure time: 24 h
 Test Type: static test

GLYCERIN:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l
 Exposure time: 96 h
 Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,995 mg/l
 Exposure time: 48 h

Persistence and degradability

Components:

GLYCERIN:

Biodegradability : Result: Readily biodegradable.

No data available

Bioaccumulative potential

Components:

ISOPROPANOL:

Partition coefficient: n-octanol/water : log Pow: 0.05

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GLYCERIN:

Partition coefficient: n-octanol/water : log Pow: -1.76

No data available

No data available

Mobility in soil**Components:**

No data available

Other adverse effects

No data available

Product:

Additional ecological information : No data available

Components:**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

General advice : Dispose of in accordance with all applicable local, state and federal regulations.

Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to a licensed waste management company.

Contaminated packaging

: Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION**International transport regulations****REGULATION**

| ID NUMBER | PROPER SHIPPING NAME | *HAZARD CLASS | SUBSIDIARY HAZARDS | PACKING GROUP | MARINE POLLUTANT / LTD. QTY. |
|-----------|----------------------|---------------|--------------------|---------------|------------------------------|
| UN 1987 | Alcohols, n.o.s. | 3 | | II | |

U.S. DOT - ROAD

| | | | | | |
|---------|------------------|---|--|----|--|
| UN 1987 | Alcohols, n.o.s. | 3 | | II | |
|---------|------------------|---|--|----|--|

CFR_RAIL_C

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| | | | | |
|----|------|------------------|---|----|
| UN | 1987 | Alcohols, n.o.s. | 3 | II |
|----|------|------------------|---|----|

U.S. DOT - INLAND WATERWAYS

| | | | | |
|----|------|------------------|---|----|
| UN | 1987 | Alcohols, n.o.s. | 3 | II |
|----|------|------------------|---|----|

TDG ROAD C

| | | | | |
|----|------|-----------------------------------|---|----|
| UN | 1987 | ALCOHOLS, N.O.S. (ISOPROPANOL) | 3 | II |
|----|------|-----------------------------------|---|----|

TDG RAIL C

| | | | | |
|----|------|-----------------------------------|---|----|
| UN | 1987 | ALCOHOLS, N.O.S. (ISOPROPANOL) | 3 | II |
|----|------|-----------------------------------|---|----|

TDG INWT C

| | | | | |
|----|------|-----------------------------------|---|----|
| UN | 1987 | ALCOHOLS, N.O.S. (ISOPROPANOL) | 3 | II |
|----|------|-----------------------------------|---|----|

INTERNATIONAL MARITIME DANGEROUS GOODS

| | | | | |
|----|------|-----------------------------------|---|----|
| UN | 1987 | ALCOHOLS, N.O.S. (ISOPROPANOL) | 3 | II |
|----|------|-----------------------------------|---|----|

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

| | | | | |
|----|------|-----------------------------------|---|----|
| UN | 1987 | Alcohols, n.o.s. (ISOPROPANOL) | 3 | II |
|----|------|-----------------------------------|---|----|

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

| | | | | |
|----|------|-----------------------------------|---|----|
| UN | 1987 | Alcohols, n.o.s. (ISOPROPANOL) | 3 | II |
|----|------|-----------------------------------|---|----|

MX DG

| | | | | |
|----|------|-----------------------------------|---|----|
| UN | 1987 | ALCOHOLS, N.O.S. (ISOPROPANOL) | 3 | II |
|----|------|-----------------------------------|---|----|

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

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Marine pollutant

no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

TSCA list : No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act
 CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

| Components | CAS-No. | Component RQ (lbs) | Calculated product RQ (lbs) |
|-------------------|-----------|--------------------|-----------------------------|
| HYDROGEN PEROXIDE | 7722-84-1 | 1000 | * |

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
 Serious eye damage or eye irritation
 Specific target organ toxicity (single or repeated exposure)

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 The following components are subject to reporting levels established by SARA Title III, Section 313:
 ISOPROPANOL 67-63-0 75.00 %

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

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| | |
|-------|---|
| ENCS | : On the inventory, or in compliance with the inventory |
| KECI | : On the inventory, or in compliance with the inventory |
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| TCSI | : On the inventory, or in compliance with the inventory |
| TSCA | : On or in compliance with the active portion of the TSCA inventory |

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

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| NFPA: | HMIS III: | | | | | | |
|--|---|---------------|-----------|---------------------|----------|------------------------|----------|
| <p>Flammability</p> <p>Health</p> <p>Instability</p> <p>Special hazard</p> | <table border="1"> <tr> <td>HEALTH</td> <td>2/</td> </tr> <tr> <td>FLAMMABILITY</td> <td>3</td> </tr> <tr> <td>PHYSICAL HAZARD</td> <td>0</td> </tr> </table> <p>0 = not significant, 1 = Slight, 2 = Moderate, 3 = High 4 = Extreme, * = Chronic</p> | HEALTH | 2/ | FLAMMABILITY | 3 | PHYSICAL HAZARD | 0 |
| HEALTH | 2/ | | | | | | |
| FLAMMABILITY | 3 | | | | | | |
| PHYSICAL HAZARD | 0 | | | | | | |

NFPA Flammable and Combustible Liquids Classification

Flammable Liquid Class IB

Full text of H-Statements

INEOS

SAFETY DATA SHEET

Revision Date: 06/04/2020

Print Date: 10/11/2020

SDS Number: 000000304276

Version: 2.4

INEOS™ ISOPROPYL ALCOHOL ANTISEPTIC 75%
TOPICAL SOLUTION Antiseptic Hand Rub, Non-
Sterile Solution
™ Trademark, INEOS or its subsidiaries, registered
in various countries
947408

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Sources of key data used to compile the Safety Data Sheet
INEOS internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for
labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether
originating with the company or not. Recipients are advised to confirm in advance of need that the
information is current, applicable, and suitable to their circumstances. This SDS has been
prepared by INEOS's Environmental Health and Safety Department +1-614-790-9299 (in US).

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of
Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response,
Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -
Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL -
Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS -
Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS -
Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -
Concentration associated with x% growth rate response; ERG - Emergency Response Guide;
GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous
Materials Identification System; IARC - International Agency for Research on Cancer; IATA -
International Air Transport Association; IBC - International Code for the Construction and
Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory
concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing
Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -
International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -
International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -
Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population
(Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from
Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA -
National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration;
NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate;
NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD -
Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety

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and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative