

Safety Data Sheet

CELLINK[®] Hand sanitizer

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CELLINK[®] Hand sanitizer, gel formulation

Product Number: D16110022226

Brand: CELLINK

General use: Hand disinfectant

Company Address:

CELLINK LLC
100 Franklin St.
Boston, MA 02110
USA

CELLINK AB
Arvid Wallgrens backe 20
SE41346 Göteborg
Sweden

Emergency Telephone Number:

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+1(833) 235-5465

EU:
+46 31-128-700

support@cellink.com
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2. HAZARDS IDENTIFICATION

CLP-classification:

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms:



Signal word: Danger

Hazard statements:

H225: Highly flammable liquid and vapor.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P273 Avoid release to the environment.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water

for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS#	EC No.	EC Class	Composition
Ethanol	64-17-5	200-578-6	Flam. Liq. 2; H225 Eye Irrit. 2; H319	75-80%

Isopropanol	67-63-0	200-661-7	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE3; H336	5-10%
Glycerine	56-81-5	200-289-5		1-2%
2-Methyl-2-propanol	75-65-0	200-289-5	Flam. Liq. 2; H225 Acute tox. 4; H332 Eye Irrit. 2; H319 STOT SE3; H335	<0.5%
2-Amino-2-methyl -1 propanol	124-68-5	204-709-8	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	<0.5%
Carbomer				<0.5%

4. FIRST AID MEASURES

In case of eye contact: Rinse eyes with plenty of water for at least 5 minutes. Remove contact lenses. If eye irritation persists, get medical attention.

In case of skin contact: Product is intended for contact with skin. If irritation occurs, rinse with plenty of water. If skin irritation persists, get medical attention.

If swallowed: Rinse mouth with water. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.

If inhaled: If breathed in, move person into fresh air. If any breathing difficulty or discomfort occurs and persists, obtain medical attention.

Notes to medical doctor: This product has low oral and inhalation toxicity. It is not skin sensitizer and is non-irritating to the skin and eyes.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water mist.

Unsuitable Extinguishing Media: water spray jet

Fire/Explosion Hazards: Highly flammable liquid and vapor. Explosive vapors can form if heated.

Fire Fighting Procedures: In the event of fire, wear self-contained breathing apparatus. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Ensure adequate ventilation. Remove all sources of ignition.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Use the product under well-ventilated conditions. Take necessary action to avoid static electricity discharge. Use spark-free tools and explosion-proof equipment. Smoking and open fire prohibited. Wash your hands before breaks, before toilet visits and after finishing work. Running water and eye shower must be available.

Conditions for safe storage:

Keep safe and inaccessible to children. Store in well-sealed original packaging. Storage temperature: 0-30 ° C. The product belongs to class 1 (Flammable liquids).

Specific end use: None

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Limit of exposure for workers

Ethanol: STLV*: 1000 ppm, 1900 mg/m³
TLV*: 500 ppm, 1000 mg/m³

*STLV = Short term limit value

*TLV = Threshold limit value

PNEC (Persistent, Bio accumulative and Toxic)

Ethanol, CAS-no 64-17-5

PNEC water (periodic effluent)	2,75 mg/l
PNEC water (sea water)	0,79 mg/l
PNEC sediment (freshwater)	3,6 mg/kg
PNEC sediment (sea water)	2,9 mg/kg
PNEC STP (sewage treatment plant)	580 mg/l
PNEC ground	0,63 mg/kg
PNEC water (freshwater)	0,96 mg/l

DNEL – workers (Derived no effect level)

Ethanol, CAS-no 64-17-5

Inhalation DNEL (acute/short exposure – local effect)	1900 mg/m ³
Dermal DNEL (long-term exposure – systematic effect)	343 mg/kg bw/day
Inhalation DNEL (long-term exposure – systematic effect)	950 mg/m ³

DNEL – population (Derived no effect level)

Ethanol, CAS-no 64-17-5

Dermal DNEL (long-term exposure – systematic effect)	206 mg/kg bw/day
Oral DNEL (long-term exposure – systematic effect)	87 mg/kg bw/day
Inhalation DNEL (long-term exposure – systematic effect)	114 mg/m ³
Inhalation DNEL (acute/short exposure – local effect)	950 mg/m ³

Personal Protection Equipment

Eyes and Face: Not necessary under normal use. Use eye protection goggles when in risk of splashes. Goggles must be approved under EN 166 standard.

Respiratory: Not necessary under normal use.

Protective Clothing: Normal work attire.

Gloves: Product is intended for contact with skin. Long-term exposure during for example sanitation, may call for use of nitrile gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Transparent gel
Upper/lower flammability:	No data available.
Odor:	Alcohol
Vapor Pressure:	No data available.
Odor Threshold:	No data available.
Vapor Density:	No data available.
pH:	6-8
Relative Density:	0.8-0.9 g/mL
Melting Point:	No data available.
Solubility in Water:	Soluble in water
Boiling Point:	~78°C
Flash Point:	< 21 °C
Evaporation Rate:	No data available.
Flammability:	No data available.
Partition Coefficient:	No data available.
Auto-ignition Temp:	No data available.
Decomposition Temp:	No data available.
Viscosity:	No data available.

10. STABILITY AND REACTIVITY

Conditions to avoid:	Heating, static electricity, open flames.
Reactivity:	Reacts with strong oxidation agents.

Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Forms explosive mixtures with air during heating/exposure to fire.
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	Carbon dioxide, carbon monoxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity, ethanol CAS-no 64-17-5:

Oral: Pain in mouth and throat, nausea, vomiting, dizziness, headache, risk of unconsciousness.

Inhalation: Dizziness, headache, risk of slower reaction capability.

Dermal: Intended for contact with skin.

Irritation, ethanol CAS-no 64-17-5:

Eyes: contact with eyes is painful. Vapor may be irritating

Germ cell mutagenicity: No data available.

Carcinogenicity:

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.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as Aldrich - W201502 Page 5 of 6 probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: No data available

12. ECOLOGICAL INFORMATION

Acute toxicity, ethanol CAS-no 64-17-5:

Organism	Species	Exposure time	Type	Value	Source
Fish	Leuciscus idus	48h	LC ₅₀	>100 mg/l	Supplier
Algae or other water living plants	Selenastrum capricornutum	48 h	EC ₅₀	>100 mg/l	Supplier
Crustacean	Daphnia magna	48 h	EC ₅₀	12340 mg/l	Supplier

Chronic toxicity, ethanol CAS-no 64-17-5:

Organism	Species	Exposure time	Type	Value	Source
Crustacean	Daphnia magna	9 days	NOEC	9.6 mg/l	Supplier

Persistence and degradability: Expected to be degradable.

Bio accumulative potential: Not expected to be bio accumulative.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: PBT/vPvB assessment not available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Avoid unnecessary emissions into the environment. Collect waste and waste in closed leak-proof containers for disposal at a local collection site for hazardous waste.

Wipes with organic solvents: EWC code: 15 02 02 Absorbents, filter materials (including oil filters not elsewhere specified), cloths and protective clothing contaminated by dangerous substances.

Empty, cleaned packaging must be sorted for recycling. Uncleaned packaging must be disposed of in accordance with local waste regulations.

Waste category: 16 03 05 * Organic waste containing hazardous substances

14. TRANSPORT INFORMATION

UNRTDG

UN Number: UN 1987

Proper shipping name: Alcohol N.O.S (ethanol, isopropanol)

Class: 3

Packing Group: III

Labels: 3

IATA-DGR

UN/ID No: UN 1987

Proper shipping name: Alcohol N.O.S (ethanol, isopropanol)

Class: 3

Packing Group: III

Labels: Flammable liquids

Packing instruction (cargo aircraft): 366

Packing instruction (passenger aircraft): 355

IMDG-Code

UN Number: UN 1987

Proper shipping name: Alcohol N.O.S (ethanol, isopropanol)

Class: 3

Packing Group: III

Labels: 3

EmS Code: F-E, S-D

Marine pollutant: no

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

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

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

Propan-2-ol, CAS# 67-63-0, 5-10%

US State Regulations

Pennsylvania Right To Know

Ethanol, CAS# 64-17-5, 75-80%

Propan-2-ol, CAS# 67-63-0, 5-10%

2-Amino-2-methyl-1-propanol, CAS# 124-68-5, <0.5%

Massachusetts Right To Know

Ethanol, CAS# 64-17-5, 75-80%

Propan-2-ol, CAS# 67-63-0, 5-10%

2-Amino-2-methyl-1-propanol, CAS# 124-68-5, <0.5%

New Jersey Right To Know

Ethanol, CAS# 64-17-5, 75-80%

Propan-2-ol, CAS# 67-63-0, 5-10%

2-Amino-2-methyl-1-propanol, CAS# 124-68-5, <0.5%

California Prop 65

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

16. OTHER INFORMATION

Abbreviations:

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

STOT: Specific Target Organ Toxicity

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very Persistent and Very Bioaccumulative