

SAFETY DATA SHEET

WHO formulation 1 Alcohol Hand Sanitiser plus Glycerine

Page: 1

Compilation date: 01/05/2020

According to Regulation (EC) No 2015/830

Revision No: 0

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: WHO formulation 2 Alcohol Hand Sanitiser plus Glycerine E902

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

1.3. Details of the supplier of the safety data sheet

Company name: William Clements (Chemicals) Ltd
The Old Transport Museum
Witham Street
Belfast
BT4 1HP

Tel: 028 9073 8395

Email: info@clementschemicals.com

1.4. Emergency telephone number

Emergency tel: +44 28 9073 8395 Mon – Fri 8.00am – 5.00pm

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336

Most important adverse effects: Highly flammable liquid and vapour. Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.

Hazard pictograms: GHS02: Flame, GHS07 Exclamation Mark



[cont...]

SAFETY DATA SHEET

WHO formulation 1 Alcohol Hand Sanitiser plus

Page: 2

Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fumes/gas/mist/vapours/spray.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice/attention.
P403+233: Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Section 3: Composition/information on ingredients

3.2. Mixtures

Ethanol Flam. Liq. 2 (H225), Eye Irrit. 2 (H319)	80%	CAS: 64-17-5	EC: 200-578-6
Glycerine	1.45%	CAS: 56-81-5	EC: 200-289-5
Hydrogen peroxide Ox. Liq. 1 (H271), Acute Tox. 4 (H302), Acute Tox. 4 (H332), Skin Corr. 1A (H314), Eye Dam. 1 (H318), STOT SE 3 (H335)	0.128%	CAS: 7722-84-1	EC: 231-765-0 20

Section 4: First aid measures

4.1. Description of first aid measures

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

[cont...]

SAFETY DATA SHEET

WHO formulation 1 Alcohol Hand Sanitiser plus Glycerine

Page: 3

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.
Avoid spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

[cont...]

SAFETY DATA SHEET

WHO formulation 1 Alcohol Hand Sanitiser plus

Page: 4

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Not relevant

Respiratory protection: Not relevant

Hand protection: Not relevant

Eye protection: Not relevant

Skin protection: Not relevant

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Cler

Odour: Characteristic odour

Evaporation rate: Fast

Solubility in water: Miscible

Also soluble in: Most organic solvents.

Viscosity: N/A

Boiling point/range°C: 82-83

Melting point/range°C: -88

Flammability limits %: lower: 2%

upper: 12%

Flash point°C: 12

Part.coeff. n-octanol/water: 0.05

Autoflammability°C: 425

Vapour pressure: 6020 Pa

Relative density: 785-786

pH: not applicable.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

[cont...]

SAFETY DATA SHEET

WHO formulation 1 Alcohol Hand Sanitiser plus

Page: 6

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

Other toxicological data Acute Toxicity (Oral LD50): mg/kg (oral rat) 7060
Acute Toxicity (Inhalation LC50): mg/l (vapours) (4h) 124,7
Acute Toxicity (Dermal LD50): mg/kg (ipr-rat) > 20 000

Potential acute effects

Inhalation In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Ikke klassificerad som aspirationstoxisk (Not classified as asp. tox.)

Skin contact

Prolonged or frequent contact may cause redness, itching, eczema and skin cracking. Defats the skin.

Eye contact

Causes serious eye irritation.

Ingestion Ingestion of large amounts may cause unconsciousness. However, ingestion may cause nausea, headache, dizziness and intoxication. Ingestion may cause irritation of the gastrointestinal tract, vomiting and diarrhoea. May cause irritation to the mouth and throat.

Delayed effects / repeated exposure

Sensitisation Not known.

Chronic effects

None known.

Carcinogenic, Mutagenic or Reprotoxic

Carcinogenicity None.

Mutagenicity Not known.

Teratogenic properties Not known.

Reproductive toxicity Not known.

Section 12: Ecological information

12.1. Toxicity

Acute aquatic, fish

Value: 13500 mg/l

Method of testing: LC50

Fish, species: Pimephales promelas

Duration: 96h

Acute aquatic, algae

Value: 5000 mg/l

Method of testing: IC50

Algae, species: Scenedesmus subspicatus

Duration: 7d

SAFETY DATA SHEET

WHO formulation 1 Alcohol Hand Sanitiser plus Glycerine

Page: 7

Acute aquatic, Daphnia
Value: 5400 mg/l
Method of testing: EC50
Daphnia, species: D. magna
Duration: 72h

12.2. Persistence and degradability

Degradation half life
Lättnedbrytbart. 85% bryts ned på 28 dygn OECD 301D
Chemical oxygen demand (COD)
Value: 0,4-0,8
Method of testing: COD
Biological oxygen demand (BOD)
Value: 0,4-0,8
Method of testing: BOD

12.3. Bioaccumulative potential

Bioaccumulative potential
Will not bio-accumulate.
Bioconcentration factor (BCF)
Value: 0,66
Method of testing: BCF

12.4. Mobility in soil

The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: N/A

14.2. UN proper shipping name

Shipping name: N/A

14.3. Transport hazard class(es)

SAFETY DATA SHEET

WHO formulation 1 Alcohol Hand Sanitiser plus

Page: 8

Transport class: N/A

14.4. Packing group

Packing group: N/A

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: N/A

Transport category: N/A

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Phrases used in s.2 and s.3:

H225: Highly flammable liquid and vapour.

H271: May cause fire or explosion; strong oxidiser.

H302: Harmful if swallowed

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage

H319: Causes serious eye irritation.

H332: Harmful if inhaled

H335: May cause respiratory irritation

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

[final page]