

## Section 1: Company and Product Identification

### 1.1 Product Identification

Product Name : Super Sanitiser XP-HS  
Product Code : XP-HS  
Type of Product : Alcohol Hand Santiser  
Product Form : Mixture

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

#### 1.2.1 Relevant identified uses

Intended for general public  
Main use category : Industrial use, Professional use, Consumer use  
Use of the substance/mixture : Personal care products

#### 1.2.2 Uses advised against

No additional information available

### 1.3 Details of the supplier of the safety data sheet

Expert Range  
Old Bank, The Triangle, Poulton,  
BS32 7LE Bristol – United Kingdom  
T: 0044 2036 273720 – F: 0044 8727 433720  
support@expertrange.co.uk – www.expertrange.co.uk

### 1.4 Emergency telephone number

Emergency number : 0044 2036 273720

## Section 2: Hazards Identification

### 2.1 Classification of the Substance or Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Category  
Flammable liquids, Category 2 H225  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity –  
Single exposure, Category 3, Narcosis H336  
Full text of H statements : see section 16)

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2 GHS Label Elements

Signal Word : Danger

Hazard Pictograms :



Hazardous ingredients	: propan-2-ol; isopropyl alcohol; isopropanol
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness
Precautionary statements (CLP)	: P102 - Keep out of reach of children. P210 - Keep away from sparks, open flames, hot surfaces, heat. No smoking. P233 - Keep container tightly closed. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical equipment. P261 - Avoid breathing vapours. P280 - Wear eye protection. 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 media other than water to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3 Other Hazards

No Additional Information Available

## Section 3: Composition / Information on Ingredients

### 3.1 Substances

Not Applicable

### 3.2 Other Information

NAME	PRODUCT IDENTIFIER	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol; isopropyl alcohol; isopropanol	(CAS-No.) 67-63-0 (EC-No.) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25-XXXX	30-40	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
ethanol; ethyl alcohol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	15 – 20	Flam. Liq. 2, H225 Eye Irrit. 2, H319

Full text of H-statements: see section 16

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

#### 4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Symptoms/effects after eye contact : Causes serious eye irritation.

#### 4.2 Most Important Symptoms and Effects, Acute and Delayed

No Additional Information available.

### Section 5: Firefighting Measures

#### 5.1 Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2 Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

#### 5.3 Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### Section 6: Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency procedures : Ventilate area.

#### 6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### 6.4 References to Other Sections

See Heading 8. Exposure controls and personal protection.

## Section 7: Handling and Storage

### 7.1 Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Wash hands, forearms and face thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep in fireproof place. Keep container tightly closed.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

### 7.3 Specific end use(s)

No additional information available.

## Section 8: Exposure Controls/Personal Protection

### 8.1 Components with Exposure Control

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) - United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
WEL TWA (ppm)	400 ppm
WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
WEL STEL (ppm)	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

ethanol; ethyl alcohol (64-17-5) - United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
WEL TWA (ppm)	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 8.2 Exposure Controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Eye protection : Safety glasses.
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- Other information : Do not eat, drink or smoke during use.

**Section 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance	: Viscous liquid.
Colour	: Colourless.
Odour	: Alcohol odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 78 °C
Flash point	: 20 °C (estimated)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

**9.2. Information on basic physical and chemical properties**

No further information

## Section 10: Stability and Reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical Stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of Hazardous Reactions

Not established.

### 10.4. Conditions to Avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

### 10.5. Incompatible Materials

Strong acids. Strong bases.

### 10.6. Hazardous Decomposition Products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## Section 11: Toxicological Information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
LD50 oral rat	5045 mg/kg
LD50 dermal rabbit	12800 mg/kg
LC50, male, female, Inhalation, rat	> 10000 ppm (6 Hours, (OECD 403 method))

ethanol; ethyl alcohol (64-17-5)	
LD50 oral rat	10470 mg/kg
LD50 oral	3450 mg/kg (Mouse)
LD50 dermal rat	15800 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	124.7 mg/l/4h

Skin corrosion/irritation : Not classified

Additional information : Based on available data, the classification criteria are not met

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Additional information : Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified

Additional information : Based on available data, the classification criteria are not met

Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Eye irritation.

## Section 12: Ecological Information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
LC50 fish 1	9640 mg/l Fathead minnow ( <i>Pimephales promelas</i> )
EC50 72h algae (1)	> 1000 mg/l ( <i>Desmodesmus subspicatus</i> )
EC50, daphnia, short term	9714 mg/l (24 Hours, (OECD 202 method))
EC5, microorganisms, <i>Pseudomonas putida</i>	1050 mg/l (16 Hours)

ethanol; ethyl alcohol (64-17-5)	
LC50 fish 1	13000 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout)
LC50 fish 2	14200 mg/l <i>Pimephales promelas</i> (Fat-head Minnow)
EC50 Daphnia 1	12340 mg/l
EC50 72h algae (1)	275 mg/l <i>Chlorella vulgaris</i>
NOEC chronic crustacea	9.6 mg/l <i>Daphnia magna</i>
EC50, algae, <i>Selenastrum capricornutum</i>	> 100 mg/l (48 Hours)

### 12.2. Persistence and Degradability

alcohol hand sanitiser	
Persistence and degradability	Readily biodegradable.

ethanol; ethyl alcohol (64-17-5)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	0.8 – 0.967 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.7 g O <sub>2</sub> /g substance
ThOD	2.1 g O <sub>2</sub> /g substance
BOD (% of ThOD)	37.74 % ThOD
Biodegradation	84 % 20 days

### 12.3. Bioaccumulation

alcohol hand sanitiser	
Bioaccumulative potential	Not Established.

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05
Bioaccumulative potential	No bioaccumulation.

ethanol; ethyl alcohol (64-17-5)	
Partition coefficient n-octanol/water (Log Pow)	-0.32
Bioaccumulative potential	Low.

#### 12.4. Mobility in Soil

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	
Surface tension	22.7 mN/m
Ecology – soil	Very mobile. Soluble material/quickly disperses in water.

ethanol; ethyl alcohol (64-17-5)	
Surface tension	24.5 mN/m
Ecology – soil	Product evaporates when in contact with the air.

#### 12.5. Results of PBT and vPvB assessment

COMPONENT	
propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
ethanol; ethyl alcohol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other Adverse Effects

Additional information : Avoid release to the environment.

### Section 13: Disposal Considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport Information

#### 14.1. UN number

ADR : UN 1987

IMDG : UN 1987

IATA : UN 1987

ADN : UN 1987

RID : UN 1987

**14.2. UN proper shipping name**

ADR	: ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol)
<b>Transport document description</b>	: UN 1987 ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol), 3, III, (D/E)
IMDG	: ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol)
<b>Transport document description</b>	: UN 1987 ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol), 3, III)
IATA	: Alcohols, n.o.s. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol)
<b>Transport document description</b>	: UN 1987 Alcohols, n.o.s. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol), 3, III
ADN	: ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol)
<b>Transport document description</b>	: UN 1987 ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol), 3, III
RID	: ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol)
<b>Transport document description</b>	: UN 1987 ALCOHOLS, N.O.S. (propan-2-ol; isopropyl alcohol; isopropanol ; ethanol; ethyl alcohol), 3, III

**14.3. Transport hazard class(es)**

ADR	: 3
IMDG	: 3
IATA	: 3
ADN	: 3
RID	: 3

**14.4. Packing group**

ADR	: III
IMDG	: III
IATA	: III
ADN	: III
RID	: III

**14.5. Environmental Hazards**

ADR	: Dangerous for the environment : No
IMDG	: Dangerous for the environment : No Marine pollutant : No
IATA	: Dangerous for the environment : No
ADN	: Dangerous for the environment : No
RID	: Dangerous for the environment : No

**14.6. Special Precautions for User**

**Overland transport**

Classification code (ADR)	: F1
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Special provisions (ADR)	: 274, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage – Packages (ADR)	: V12
Special provisions for carriage – Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange Plates	: 
Tunnel restriction code (ADR)	: D/E
EAC code	: +3YE
<b>Transport by sea</b>	
Special provisions (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D

Stowage category (IMDG) : A

**Air Transport**

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y344

PCA limited quantity  
max net quantity (IATA) : 10L

PCA packing instructions (IATA) : 355

PCA max net quantity (IATA) : 60L

CAO packing instructions (IATA) : 366

CAO max net quantity (IATA) : 220L

Special provisions (IATA) : A3, A180

ERG code (IATA) : 3L

**Inland Waterway Transport**

Classification code (ADN) : F1

Special provisions (ADN) : 274, 601

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 0

**Rail Transport**

Classification code (RID) : F1

Special provisions (RID) : 274, 601

Limited quantities (RID) : 5L

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19

Portable tank and bulk container  
instructions (RID) : T4

Portable tank and bulk container  
special provisions (RID) : TP1, TP29

Tank codes for RID tanks (RID) : LGBF

Transport category (RID) : 3

Special provisions for carriage –  
Packages (RID) : W12

Colis express (express parcels) (RID) : CE4

Hazard identification number (RID) : 30

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not Applicable.

## SECTION 15: Regulatory Information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other Information

Abbreviations and acronyms:	
CAS-No.	Chemical Abstract Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BOD	Biochemical oxygen demand (BOD)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	Chemical oxygen demand (COD)
EC50	Median effective concentration
EC-No.	European Community number
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Median lethal concentration
LD50	Median lethal dose

N.O.S.	Not Otherwise Specified
NOEC	No-Observed Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
ThOD	Theoretical oxygen demand (ThOD)
vPvB	Very Persistent and Very Bioaccumulative

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:	
Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

Classification according to Regulation (EC) No. 1272/2008 [CLP]:	
Flam. Liq. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.