4 Symington Place
Riverside Business Park
Irvine
KA11 5DE

SAFETY DATA SHEET

Compilation date: 07/09/2020
Revision: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Spearhead Virucidal Surface & Sanitising Wet Wipes (200 wipes)
Product code: SSW620

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

1.2.1 Relevant identified uses

Main use category: Disinfection wipes

1.3. Details of the supplier of the safety data sheet

Company Name: Spearhead
4 Symington Place
Riverside Business Park
Irvine
KA11 5DE
Tel: 0345 180 1800
Email: sales@spearheadhealthcare.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (EC) No. 1272/2008
Physical hazards: Not classified.
Human health: Not classified.
Environment: Aquatic Chronic 3 - H412.

2.2 Label elements

Hazard Statements: H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements: P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P501 Dispose of contents/container in accordance with national regulations.

2.3 Other Hazards

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Hydrogen peroxide solution <1%
CAS number: 7722-84-1 EC number: 231-765-0
M factor (acute) = 1

Classification	Specific Concentration Limits
Ox. Liq. 1 - H271	Skin Corr. 1A; H314: C ≥ 70%
Acute Tox. 4 - H302	Skin Corr. 1B; H314: 50% ≤ C < 70%
Acute Tox. 4 - H332	Eye Dam. 1; H318: 8% ≤ C < 50%
Skin Corr. 1A - H314	Eye Irrit. 2; H319: 5% ≤ C < 8%
	Skin Irrit. 2; H315: 35% ≤ C < 50%
	Ox Liq. 1; H271: C ≥ 70%
	Ox Liq. 2; H272: 50% ≤ C < 70%
	STOT SE 3; H335; C ≥ 35%

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides <1%
CAS number: 68424-85-1 EC number: 270-325-2
M factor (acute) = 10 M factor (Chronic) = 1

Classification
Acute Tox. 4 - H302
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400 M factor (Acute) = 10
Aquatic Chronic 1 - H410 M factor (Chronic) = 1

Didecyldimethylammonium chloride <1%
CAS number: 7173-51-5 EC number: 230-525-2
M factor (acute) = 10

Classification
Acute Tox. 4 - H302
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400 M factor (Acute) = 10
Aquatic Chronic 2 - H411

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation: Due to the physical nature of this product, exposure by this route is unlikely. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.

Ingestion: Due to the physical nature of this product, it is unlikely that ingestion will occur. IF SWALLOWED: No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.

Skin contact: No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.

Eye contact: Due to the physical nature of this product, exposure by this route is unlikely. If liquid has entered the eyes, proceed as follows. Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders: Use protective equipment appropriate for surrounding materials.

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

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: Due to the physical nature of this product, exposure by this route is unlikely. IF INHALED: No specific symptoms known. Spray/mists may cause respiratory tract irritation.

Ingestion: Due to the physical nature of this product, exposure by this route is unlikely. IF SWALLOWED: May cause discomfort.

Skin contact: Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Eye contact: Due to the physical nature of this product, exposure by this route is unlikely. IF IN EYES: May cause temporary eye irritation.

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

Notes for the doctor: Treat symptomatically.

Specific treatments: No special treatment required.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media:

Extinguishing media: The product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products: Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting: Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see Section 8. No action shall be taken without appropriate training or involving any personal risk.

6.2. Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Reuse or recycle products wherever possible. Collect spillage. Flush contaminated area with Plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. HANDLING & STORAGE

7.1. Precautions for safe handling

Usage precautions: Keep out of the reach of children. Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs.

Advice on general occupational hygiene: Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Store away from incompatible materials (see Section 10). No specific recommendations.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

Hydrogen peroxide solution

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³

Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³

WEL = Workplace Exposure Limit.

Hydrogen peroxide solution (CAS: 7722-84-1)

DNEL	Workers - Inhalation; Long term local effects: 1,4 mg/m³

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS: 68424-85-1)

PNEC	No information available.

8.2. Exposure controls

Protective equipment:	Goggles. Gloves. Overalls.
Respiratory equipment:	No specific recommendations. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn.
Hand protection:	Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374.
Eye/face protection:	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Tight-fitting safety glasses.
Hygiene measures:	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Environmental exposure controls:	Not regarded as dangerous for the environment.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Liquid is absorbed to a solid material.
Colour:	Colourless. Transparent.
Odour:	Characteristic.
Odour Threshold:	No information available.
pH:	4.0-7.0
Melting point (°C):	Not available.
Initial boiling point and boiling range:	Not available.
Flash point:	Not available.
Flammability (solid, gas):	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	Not available.
Density:	0,95 – 1,15 g/cm³ (@20°C) (liquid part)
Solubility(ies)	Soluble in water.
Partition coefficient:	Not available.
Auto ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.

9.2. Other information

No information required.

10. STABILITY & REACTIVITY

10.1. Reactivity

See the other subsections of this section for further details.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

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10.3. Possibility of hazardous reactions
No potentially hazardous reactions known.

10.4. Conditions to avoid
There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials
Alkalis.

10.6. Hazardous decomposition products
Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity - oral	
Notes (oral LD_{50})	Based on available data the classification criteria are not met.
Acute toxicity - dermal	
Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.
Skin corrosion/irritation	
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Serious eye damage/irritation	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.

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Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Route of exposure	Ingestion Inhalation Skin and/or eye contact
Target organs	No specific target organs known.

Toxicological information on ingredients.

Hydrogen peroxide solution

Acute toxicity - oral	
ATE oral (mg/kg)	500.0
Acute toxicity - inhalation	
ATE inhalation (vapours mg/l)	11.0
Carcinogenicity	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Acute toxicity - oral	
Acute toxicity oral (LD_{50}mg/kg)	795.0
Species	Rat
ATE oral (mg/kg)	795.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50}mg/kg)	3,412.5
Species	Rabbit
ATE dermal (mg/kg)	3,412.5

Didecyldimethylammonium chloride

Acute toxicity - oral	
ATE oral (mg/kg)	500.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50}mg/kg)	2730
Species	Rat
ATE dermal (mg/kg)	2730

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Based on available data the classification criteria are not met.
Ecological information on ingredients.

Hydrogen peroxide solution

Acute aquatic toxicity	
$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hour: 16.4 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity – aquatic invertebrates	LC_{50}, 48 hour: 2.4 mg/l, Daphnia pulex
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, 21 day: 0.63 mg/l, Daphnia magna

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Acute aquatic toxicity

$LE(C)_{50}$	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC_{50}, 96 hours: 0.28 mg/l, Pimephales promelas (Fat-head Minnow) LC_{50}, 96 hours: 0.93 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 0.025 mg/l, Daphnia magna
Acute toxicity - aquatic plants	ErC50, 72 hours: 0.049 mg/l, Selenastrum capricornutum (OECD 201)

Chronic aquatic toxicity

M factor (Chronic)	1
NOEC-Aquatic Plants	0.009 mg/l

Didecyldimethylammonium chloride

Acute aquatic toxicity

$LE(C)_{50}$	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC_{50}, 96 hour: 0.19 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hour: 0.062 mg/l, Daphnia magna

12.2. Persistence and degradability

The degradability of the product is not known.

12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	No information available.

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Bioaccumulative potential	No potential for bioaccumulation.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

General:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance /marine pollutant: No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and IBC Code
Not applicable.

15. REGULATORY INFORMATION

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

EU legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.
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 (as amended).
Regulation No 528/2012 concerning the making available on the market and use of biocidal products.
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet:
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
CAS: Chemical Abstracts Service.
ATE: Acute Toxicity Estimate.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
EC_{50}: 50% of maximal Effective Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.

Key literature references data: This SDS is prepared based on the information and documents received from and sources for product owner. CRAD or/and SDS author shall not be responsible for incorrect preapared of SDS and pecuniary loss or intangible damages because of deficient or wrong information and documents which comes from product owner.

Hazard statements in full:
H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

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H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.