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## **SECTION 1: Identification of the Substance/ Mixture and of the Company/ Undertaking**

### **1.1 Product identifier**

Product name: **Aspirin 30mg/ml - 1 x 1.0ml**

Product number: **HB-5514-FG**

### **1.2. Relevant identified uses of the substances or mixtures and uses advised against**

For research/in-vitro diagnostic use only. Not for therapeutic use.

### **1.3. Details of the supplier of the Safety Data Sheet:**

Manufacturer: Hart Biologicals Ltd.

Address: 2 Rivergreen Business Centre, Queens Meadow, Hartlepool, United Kingdom

Postcode: TS25 2DL

Telephone: +44 (0) 1429 271100

Fax: +44 (0) 1429 277085

Web: [www.hartbio.co.uk](http://www.hartbio.co.uk)

Email: [technical@hartbio.co.uk](mailto:technical@hartbio.co.uk)

### **1.4. Emergency contact**

Telephone Number: 01429 271100

Opening hours (UK): Monday - Thursday 08.00-16.30

Friday 08.00-13.30

## **SECTION 2: Hazards Identification**

### **2.1 Classification of the substance/ mixture:**

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

Acute toxicity, Oral (category 4) H302.

#### **2.1.3 Additional information:**

For the full text of R-phrases mentioned, see SECTION 16.

### **2.2 Label elements:**

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictogram:



Signal word: Warning

Hazard statement(s): H302 Harmful if swallowed

Precautionary statements:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTRE/ doctor if you feel unwell.

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Supplement Hazard Information (EU): None

### 2.3 Other hazards:

None

## SECTION 3: Composition/ Information on Ingredients

### 3.1 Mixtures:

Description of the mixture: Comprises of Acetylsalicylic acid.

Hazardous Ingredients:

CAS No	EC No	REACH No	% Weight	Name	Classification (EC) No 1272/2008
50-78-2	200-064-1	None available	3.0	Acetylsalicylic acid	Acute Toxicity, Oral Cat 4 H302

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures:

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

## SECTION 5: Fire-fighting Measures

### 5.1 Extinguishing media:

Suitable extinguishing media: Water, alcohol resistant foam, CO<sub>2</sub>, Dry Chemical Extinguisher

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

No data available

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

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## **SECTION 6: Accidental Release Measures**

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

### **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

- 6.3.1 For containment:** Spillages should be contained using absorbent material to prevent contamination of drains and watercourses.
- 6.3.2 For cleaning up:** Pick up and arrange disposal without creating dust. Use adsorbent materials and wash spill site for decontamination after material pickup. Waste material from spillages should be disposed of in accordance with local regulations.
- 6.3.3 Other information:** Spilled material may cause surfaces to become slippery, clear spills immediately.

### **6.4 Reference to other sections**

Refer to section 8 for exposure controls and personal protection and sections 13 for disposal considerations.

## **SECTION 7: Handling and Storage**

### **7.1 Precautions for safe handling**

- 7.1.1 Recommendations:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2
- 7.1.2 General occupational hygiene:** Do not eat, drink or smoke in work areas. Wash hands after use. Remove protective equipment before entering eating areas.

### **7.2 Conditions for safe storage including any incompatibilities:**

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

### **7.3 Specific end use:**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## **SECTION 8: Exposure Controls/ Personal Protection**

### **8.1 Control Parameters**

**8.1.1 Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls**

#### **8.2.1 Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

#### **8.2.2 Personal Protection Equipment:**

##### **8.2.2.1 Eye/ face Protection:**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### **8.2.2.2 Skin Protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be

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evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario

#### 8.2.2.3 Respiratory Protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### 8.2.2.4 Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### 8.2.3 Environmental Exposure Controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### SECTION 9: Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

- a) **Appearance Form:** crystalline Colour: white
- b) **Odour:** odourless
- c) **Odour Threshold:** No data available
- d) **pH** 3.5 at 2.5 g/l at 20 °C
- e) **Melting point/freezing point** Melting point/range: 134 - 136 °C - lit.
- f) **Initial boiling point and boiling range** No data available
- g) **Flash point** 250 °C
- h) **Evaporation rate** No data available
- i) **Flammability (solid, gas)** No data available
- j) **Upper/lower flammability or explosive limits** No data available
- k) **Vapour pressure** No data available
- l) **Vapour density** No data available
- m) **Relative density** No data available
- n) **Water solubility** 4.6 g/l at 25 °C - OECD Test Guideline 105 - soluble
- o) **Partition coefficient:** noctanol/water log Pow: 1.19 at 20 °C
- p) **Auto-ignition temperature** No data available
- q) **Decomposition temperature** 140 °C –
- r) **Viscosity** No data available
- s) **Explosive properties** No data available
- t) **Oxidizing properties** No data available

#### 9.2 Other safety information

Bulk density 700 kg/m<sup>3</sup>

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### **SECTION 10: Stability and Reactivity**

**10.1 Reactivity:** No data available

**10.2 Chemical stability:** Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions:** No data available

**10.4 Conditions to avoid:** Heat, Exposure to light.

**10.5 Incompatible materials:** Strong oxidizing agents, Strong acids, Strong bases

**10.6 Hazardous decomposition products:**

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

### **SECTION 11: Toxicological Information**

**11.1 Information on toxicological effects:**

**Acute toxicity**

LD50 Oral - Rat - female - 1,600 mg/kg  
(OECD Test Guideline 401)

LD50 Dermal - Rabbit - > 7,940 mg/kg  
(OECD Test Guideline 402)

LD50 Intraperitoneal - Rat - 340 mg/kg

**Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation

**Serious eye damage/eye irritation**

Eyes - Rabbit

Result: No eye irritation

**Respiratory or skin sensitisation**

Maximisation Test - Guinea pig

Result: Does not cause skin sensitisation

**Germ cell mutagenicity**

Ames test

Salmonella typhimurium

Result: negative

**OECD Test Guideline 474**

Rat

Result: negative

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### **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.

### **Reproductive toxicity**

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.

### **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**

RTECS: VO0700000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **SECTION 12: Ecological Information**

### **12.1 Toxicity:**

#### **Toxicity to fish**

LC50 - *Leuciscus idus* (Golden orfe) - > 1,000 mg/l - 48 h  
(OECD Test Guideline 203)

#### **Toxicity to daphnia and other aquatic invertebrates**

Immobilization EC50 - *Daphnia magna* (Water flea) - 88.1 mg/l - 48 h  
(OECD Test Guideline 202)

#### **Toxicity to algae**

Growth inhibition EC50 - *Desmodesmus subspicatus* (*Scenedesmus subspicatus*) - 106.7 mg/l - 72 h (OECD Test Guideline 201)

**Toxicity to bacteria** LC50 - Bacteria - > 10,000 mg/l - 48 h

### **12.2 Persistence and degradability:**

Aerobic - Exposure time 28 d  
Result: 98 % - Readily biodegradable.

**12.3 Bio-accumulative potential:** No data available

**12.4 Mobility in soil:** No data available

**12.5 Results of PBT and vPvB assessment:**

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This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

#### 12.6 Other adverse effects:

Harmful to aquatic life.  
No data available

### SECTION 13: Disposal Considerations

#### 13.1 Waste treatment methods

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

**Contaminated packaging:** Dispose of as unused product.

### SECTION 14: Transport Information

14.1 **UN number:** No number available/ not required for mixture

14.2 **UN Proper Shipping name:** Not required

14.3 **Transport Hazard Classes:** Not required

14.4 **Packaging Group:** Not required

14.5 **Environmental Hazards:** Not required

14.6 **Special precautions for user:** Not required

14.7 **Transport in bulk according to Annex II MARPOL73/78 and the IBC Code:** It is not intended that this product is transported as bulk and therefore the shipping/ transport regulations for bulk hazardous material do not apply.

### SECTION 15: Regulatory Information

15.1 **Safety, health and environmental regulations/ legislation specific for the substance or mixture:** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 **Chemical Safety Assessment:** No chemical safety assessment has been carried out for this substance/ mixture by the supplier.



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**SECTION 16: Other Information**

**Full text of H-Statements referred to under sections 2 and 3**

**H302 Harmful if swallowed**

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Acute Toxicity 4 Calculation Method

**Note for the user:** The data contained in this sheet is the result of the most up to date information available in our company. The user must ensure that the information is suitable and complete in relation to the specific use of the product.