	TITLE:	Safety Data Sheet – Acetylsalicylic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

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

1.1 Product identifier

Product name: **Acetylsalicylic Acid (30mg/ml)**
Product number: **HB-5514-FG & HB-5613-FG**

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

Relevant Identified uses: Hart Biologicals Acetylsalicylic Acid (30mg/ml) is used as an antagonist for platelet aggregation testing. Acetylsalicylic Acid is the chemical name for Aspirin. The addition of Acetylsalicylic Acid (30mg/ml) to the blood/plasma sample, reduces aggregation response for Arachidonic Acid and Collagen induced platelet aggregation.

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
Email: 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 Category 4 (Oral) H302.

2.1.2 Additional information:
For the full text of H-statements 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.

	TITLE:	Safety Data Sheet – Acetylsalicylic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

Precautionary statements:

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

Supplement Hazard Information (EU): None applicable.

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	Acetylsalicylic acid	Acute Toxicity Category 4 (Oral) H302

SECTION 4: First Aid Measures

4.1 Description of first aid measures:

General advice: Consult a physician. Show this SDS to the doctor in attendance.

After Inhalation: - If inhaled, remove person to fresh air. If breathing becomes difficult obtain immediate medical attention, give artificial respiration. Consult a physician.

After Skin Contact: - Immediately wash skin with soap and copious amounts of water. Consult a physician.

After Eye Contact: -Irrigate with copious amounts of clean fresh water for at least 15 minutes. If irritation persists seek medical attention.

After Ingestion: -Wash out mouth with water provided person is conscious. Consult a doctor/physician.


Self-protection for first aider: Personal protective equipment for first aid responder is recommended.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling and/or in section 11.

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

No data available

	TITLE:	Safety Data Sheet – Acetylsalicylic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

SECTION 5: Fire-fighting Measures

5.1 Extinguishing media:

Suitable extinguishing media: Water, alcohol resistant foam, CO₂, Dry Chemical Extinguisher

5.2 Special hazards arising from the substance or mixture:

No data available.

5.3 Advice for firefighters

Wear suitable protective clothing/equipment. Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective Equipment: Exercise appropriate precautions to minimise direct contact with skin or eyes and prevent inhalation of vapours – Wear personal protective equipment (PPE) such as gloves, safety glasses.
Emergency Procedures: Wear respiratory protection, avoid dust formation and avoid breathing vapours, dust, mist or gas. Ensure adequate ventilation and evacuate personnel to safe areas.

6.1.2 For emergency responders

Personal protective equipment for first aid responder/s is/are recommended.

6.2 Environmental precautions:


Prevent further leakage or spillage if safe to do so and 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.

	TITLE:	Safety Data Sheet – Acetylsalicylic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

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 inhalation. Avoid contact with eyes, skin and clothing. For IVD Use Only. Not for medicinal use. **DO NOT INGEST.** Reduce the release of substance to the environment by avoiding spillages. 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:

Store securely in the original labelled container. Storage conditions according to product label. (2-8°C). For post reconstitution storage conditions refer to product instructions for use. Product is sensitive to light.

7.3 Specific end use:

Use in accordance with product instructions for use provided in kit. For In vitro diagnostic use only in platelet aggregation testing.

SECTION 8: Exposure Controls/ Personal Protection

8.1 Control Parameters

8.1.1 Components with workplace control parameters:


Component	CAS No	Value form of exposure	Control Parameters	Basis
O-Acetylsalicylic acid	50-78-2	8 hour TWA	5mg/m ³	UK. EH40 WEL – Workplace Exposure Limits

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Follow good clinical hygiene practices adopting suitable individual protective measures. Avoid contact with skin, eyes and clothing. Do not eat or smoke while handling the product. Wash hands before breaks and immediately after handling the product.

8.2.2 Personal Protection Equipment:

	TITLE:	Safety Data Sheet – Acetylsalicyclic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

8.2.2.1 Eye/ face Protection:

Wear safety glasses or goggles. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166 (EU).

8.2.2.2 Skin Protection:

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

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 example from raw material chemical supplier:

Material: Nitrile Rubber

Minimum layer thickness: 0.11mm

Break through time 480 min.

Splash contact from raw material chemical supplier:

Material: Nitrile Rubber

Minimum layer thickness: 0.11mm

Break through time 480 min.

Body Protection

Wear laboratory coat/work coat or apron in line with protective equipment at the specific work place.

8.2.2.3 Respiratory Protection

Wear simple mask to prevent inhalation of dust / vapour.


8.2.3 Environmental Exposure Controls

Prevent further leakage or spillage if safe to do so as described in section 6.3. Do not let product enter drains.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

- | | | |
|----|---|---------------------------|
| a) | Appearance: - Lyophilised: White compact lyophilised cake present at base of vial. Housed in a clear 6ml glass vial with white freeze dry stopper and wadless screw seal cap.
Once reconstituted – clear colourless solution. | |
| b) | Odour: | Odourless |
| c) | Odour threshold: | No data available |
| d) | pH: | Neutral |
| e) | Melting point/ freezing point: | Melting point/range:155°C |
| f) | Initial boiling point and boiling range: | No data available |
| g) | Flash Point: | No data available |
| h) | Evaporation Weight | No data available |
| i) | Flammability (solid, gas): | No data available |

	TITLE:	Safety Data Sheet – Acetylsalicylic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

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	No data available
o)	Partition Coefficient: n-octanol/ water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidising Properties	No data available

9.2 Other safety information

Water soluble

SECTION 10: Stability and Reactivity

10.1 Reactivity: No data available

10.2 Chemical stability: This product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: No data available

10.5 Incompatible materials: Bases, oxidising agents, iron and iron salts, copper.

10.6 Hazardous decomposition products: No known hazardous decomposition products

SECTION 11: Toxicological Information

11.1 Information on toxicological effects:

Acute Toxicity: LD50 Oral – Rat – Female – 1600mg/kg (OECD Test Guideline 401)
 LD50 Dermal – Rabbit - >7940mg/kg (OECD Test Guideline 402) LD50 Intraperitoneal
 – Rat – 340 mg/kg.

Skin corrosion/irritation: Skin – Rabbit – No skin irritation.

Serious Eye damage/irritation: Eyes – Rabbit – No skin irritation.

Respiratory or skin sensitisation: Maximisation Test – Guinea pig. Result: Does not cause skin sensitisation.

Germ cell mutagenicity: Ames test, Salmonella typhimurium Result: Negative.

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

	TITLE:	Safety Data Sheet – Acetylsalicylic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

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) - > 1000mg/l – 48 hour (OECD Test Guideline 203)
 Toxicity to daphnia and other aquatic invertebrates – Immobilization EC50 – *Daphnia magna* (water flea) – 88.1mg/l - 48 hour
 Toxicity to algae – Growth inhibition EC50 – *Desmodesmus subspicatus* (green algae) – 106.7mg/l – 72hours.
 Toxicity to bacteria – LC50 – Bacteria - > 10,000mg/l – 48hours.
- 12.2 Persistence and degradability:** Biodegradability aerobic – exposure time 28d
 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:** The substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- 12.6 Other adverse effects:** No data available
 Use according to good clinical hygiene practices; avoid dispersion of the product in the environment.


SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Product: Disposal of waste must always comply with existing EEC, national and local regulations. Registered waste carriers and licensed disposal sites must be used.
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

	TITLE:	Safety Data Sheet – Acetylsalicylic Acid (30mg/ml)				
	ID:	SDS012	Version:	2.0	Issue Date:	03-May-19

SECTION 15: Regulatory Information

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

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

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.