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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 (Acetylsalicylic Acid)**
HB-5613-FG (Acetylsalicylic Acid MEA)

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
Email: technical@hartbio.co.uk

1.4. Emergency Telephone Number

Telephone Number: +44 (0)1429 271100
Opening hours (UK, GMT): 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-phrases mentioned, see SECTION 16.


2.2 Label elements

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

Hazard pictogram:
Health Hazard Pictogram



Signal word:
Warning

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Hazard statement(s):
H302 Harmful if swallowed.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

Supplement Hazard Information: Not applicable
Intended to be used by professional users of IVD reagents

2.3 Other hazards

None

SECTION 3: Composition/ Information on Ingredients

3.1 Substances

Not Applicable, this product is regulated as a mixture.

3.2 Mixtures

Description of the mixture: Comprises of Acetylsalicylic acid, buffer and salt.
Acetylsalicylic acid is classifiable as hazardous in the mixture as concentration >1%.

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: Take off contaminated clothing and shoes immediately. 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 and consult a physician.

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After Ingestion: Do NOT induce vomiting. Wash out mouth with water, provided person is conscious. Never give anything by mouth to an unconscious person. Consult a doctor/physician or poison centre.

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 section 2.2.

4.3 Indication of any immediate medical attention and special treatment

Follow guidance described in section 2.2.

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

Carbon oxides, Nitrogen oxides (NO_x), Hydrogen cyanide (hydrocyanic acid).

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

6.2.1 Prevent further leakage or spillage if safe to do so and do not let product enter drains.

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 additional leaking of material. Use adsorbent materials and wash spill site for decontamination

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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: Wear appropriate PPE. 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.

7.3 Specific end use:

Use in accordance with product Instructions For Use provided in Kit. For In Vitro Diagnostic use only.

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:
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:

8.2.2.1 Eye/ face Protection:

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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.

8.2.2.3 Body Protection:

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

8.2.2.4 Respiratory Protection:

Wear simple mask to prevent inhalation of dust / vapour.

8.2.2.5 Thermal Hazards:

Not applicable.

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) **Physical State:** - 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) **Colour:** Colourless
- c) **Odour:** Odourless
- d) **Melting point/ freezing point:** Melting point/range: No data available
- e) **Boiling point or Initial boiling point and boiling range:** No data available
- f) **Flammability (solid, gas):** No data available
- g) **Upper/ lower explosive limits:** No data available
- h) **Flash Point:** No data available
- i) **Auto-ignition temperature:** No data available
- j) **Decomposition temperature:** No data available
- k) **pH:** No data available
- l) **Kinematic viscosity:** No data available
- m) **Solubility:** No data available
- n) **Partition coefficient n-octanol/water (log value):** No data available
- o) **Vapour Pressure:** No data available
- p) **Density and/or relative density:** No data available
- q) **Relative vapour density:** No data available
- r) **Particle characteristics** No data available

9.2 Other safety information

9.2.1 – Information with Regard to Physical Hazard Classes

Not applicable

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9.2.2 – Other Safety Characteristics.

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 irons 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.

Summary of evaluation of the CMR properties: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: RTECS:VO0700000


11.2 Information on other hazards:

Endocrine disrupting properties: No data available

Other information: No data available

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 Immobilization EC50 – Daphnia magna (water flea) – 88.1mg/l - 48 hour

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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: No data available

12.6 Endocrine disrupting properties: No data available

12.7 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 or ID 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 Maritime transport in bulk according to IMO instruments: 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: No data available.

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

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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.