



SAFETY DATA SHEET

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

Product identifiers

Product name: Ham's F12 w/ stable Glutamine
Product number: AC-LM-0137
Brand: anprotec

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

Identified uses: Laboratory chemicals, Manufacture of substances.

Details of the supplier of the safety data sheet:

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2. HAZARDS IDENTIFICATION

Special Indication of HAZARDS to humans and the Environment

Not hazardous according to Directive 67/548/EEC.

Labelling elements

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

Hazard pictograms	None
Signal Word	None
Hazard Statements	Not Applicable
EU Specific Hazard Statements	Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health

4. FIRST AID MEASURES

In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Rinse with water until the product has been eliminated.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water
Inhalation	If breathed in, move person to fresh air.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, carbon dioxide, dry chemical
Special Protective equipment	Wear self-contained breathing apparatus for firefighting if for firefighters necessary.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete..

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Recommended storage temperature: 2-8°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
General Hygiene Measures	Wash thoroughly after handling.

Personal protective equipment

Respiratory Protection:

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required.

Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand Protection: Protective gloves.

Eye Protection: Chemical safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form:	Form: liquid
Odour	no data available
Odour Threshold	no data available
pH	7 – 7,6
Melting point/freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

10. STABILITY AND REACTIVITY

Stability	stable
Materials to Avoid	Strong oxidizing agents.
Possibility of hazardous reactions	Will not occur
Conditions to avoid	no data available
Incompatible materials	no data available
Hazardous decomposition products	Carbon monoxide, Carbon dioxide

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
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Principle Routes of Exposure/ Potential Health effects

Eyes	May cause eye irritation with susceptible persons.
Skin corrosion	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed
Serious eye damage/irritation	no data available
Respiratory or skin sensitisation	no data available

12. ECOLOGICAL INFORMATION

Toxicity	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product

14. TRANSPORT INFORMATION

RID/ADR	Non-hazardous for road transport.
IMDG	Non-hazardous for sea transport.
IATA	Non-hazardous for air transport.

15. REGULATORY INFORMATION

Not hazardous according to Directive 67/548/EEC.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:
Not classified.

16. OTHER INFORMATION

Further information

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European level, without being able to guarantee its accuracy.

This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements.

The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products.

The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

Dirk Hindorf - anprotec shall not be held liable for any damages resulting from handling or from contact with the above product.