

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form	: Mixture
Product name	: HALF-FRASER SELECTIVE SUPPLEMENT
Product code	: BS030_BS032
Product group	: Trade product

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

##### 1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Use of the substance/mixture	: Microbiological control

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

BIOKAR DIAGNOSTICS - SOLABIA GROUP  
 Rue des Quarante Mines  
 60002 Beauvais Cedex - FRANCE  
 T 0033 3 44 14 33 33 - F 0033 3 44 14 33 34  
[info.fds@solabia.fr](mailto:info.fds@solabia.fr) - [www.biokar-diagnostics.fr](http://www.biokar-diagnostics.fr)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Resp. Sens. 1	H334
STOT SE 3	H335

Full text of classification categories and H statements : see section 16

#### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H335 - May cause respiratory irritation

Precautionary statements (CLP)

: P304+P341 - IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P302+P352 - IF ON SKIN: Wash with plenty of with water and soap  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P312 - Call a POISON CENTER/doctor/... if you feel unwell

Extra phrases

: This product is subject to a reduced labeling in accordance with Annex I of Regulation (EC) No 1272/2008 (CLP)

# HALF-FRASER SELECTIVE SUPPLEMENT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) - Annex II

### 2.3. Other hazards

**Adverse physicochemical, human health and environmental effects** : Causes skin irritation. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May be harmful if swallowed.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ammonium citrate ferrous	(CAS No) 1185-57-5 (EC no) 214-686-6	95,69	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Acriflavine hydrochloride	(CAS No) 8063-24-9 (EC no) /	2,39	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411
Nalidixic acid	(CAS No) 389-08-2 (EC no) 206-864-7	1,91	Resp. Sens. 1, H334

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**First-aid measures after inhalation** : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**First-aid measures after skin contact** : Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

**First-aid measures after eye contact** : Obtain medical attention if pain, blinking or redness persist. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid measures after ingestion** : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

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

**Symptoms/injuries after inhalation** : May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Symptoms/injuries after skin contact** : Irritation.

**Symptoms/injuries after eye contact** : Eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** : Water spray. Dry powder. Foam.

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

**Hazardous decomposition products in case of fire** : Toxic fumes may be released.

### 5.3. Advice for firefighters

**Protection during firefighting** : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

**Protective equipment** : Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Emergency procedures** : Ventilate spillage area. Avoid contact with skin and eyes.

**Measures in case of dust release** : Avoid raising dust. Avoid breathing dust.

# HALF-FRASER SELECTIVE SUPPLEMENT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) - Annex II

### 6.1.2. For emergency responders

**Protective equipment** : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

### 6.3. Methods and material for containment and cleaning up

**For containment** : Collect spillage.

**Methods for cleaning up** : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Minimize generation of dust.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Precautions for safe handling** : Ensure good ventilation of the work station. Do not breathe dust. Avoid contact with skin and eyes. Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Hygiene measures** : Always wash hands after handling the product. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions** : Keep container tightly closed.

**Storage temperature** : 2 - 8 °C

**Packaging materials** : glass.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

**Appropriate engineering controls** : Ensure good ventilation of the work station.

**Materials for protective clothing** : Wear suitable protective clothing

**Hand protection** : Wear suitable gloves

**Eye protection** : Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product

**Skin and body protection** : Wear suitable protective clothing

**Respiratory protection** : Suitable respiratory equipment

## SECTION 9: Physical and chemical properties

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

**Physical state** : Solid

**Appearance** : Powder.

**Colour** : brown.

**Odour** : No data available

**Odour threshold** : No data available

**pH** : No data available

**Relative evaporation rate (butylacetate=1)** : No data available

**Melting point** : No data available

**Freezing point** : No data available

**Boiling point** : No data available

**Flash point** : No data available

**Auto-ignition temperature** : No data available

**Decomposition temperature** : No data available

**Flammability (solid, gas)** : No data available

**Vapour pressure** : No data available

**Relative vapour density at 20 °C** : No data available

# HALF-FRASER SELECTIVE SUPPLEMENT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) - Annex II

<b>Relative density</b>	: No data available
<b>Solubility</b>	: Soluble in water / ethanol mixture (50/50).
<b>Log Pow</b>	: No data available
<b>Viscosity, kinematic</b>	: No data available
<b>Viscosity, dynamic</b>	: No data available
<b>Explosive properties</b>	: No data available
<b>Oxidising properties</b>	: No data available
<b>Explosive limits</b>	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Strong oxidizing agents.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	: Not classified No data available
-----------------------	---------------------------------------

#### Nalidixic acid (389-08-2)

RTECS	QN2885000
-------	-----------

#### Ammonium citrate ferrous (1185-57-5)

RTECS	GE7540000
-------	-----------

<b>Skin corrosion/irritation</b>	: Causes skin irritation. No data available
<b>Serious eye damage/irritation</b>	: Causes serious eye irritation. No data available
<b>Respiratory or skin sensitisation</b>	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. No data available
<b>Germ cell mutagenicity</b>	: Not classified No data available
<b>Carcinogenicity</b>	: Not classified No data available
<b>Reproductive toxicity</b>	: Not classified No data available
<b>Specific target organ toxicity (single exposure)</b>	: May cause respiratory irritation. No data available
<b>Specific target organ toxicity (repeated exposure)</b>	: Not classified No data available
<b>Aspiration hazard</b>	: Not classified No data available

# HALF-FRASER SELECTIVE SUPPLEMENT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) - Annex II

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : No data available.

#### 12.2. Persistence and degradability

Persistence and degradability : No data available.

#### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

#### 12.4. Mobility in soil

Ecology - soil : No data available.

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Other adverse effects : No data available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Incineration, disposal or recycling at specific offsite provider.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : Not applicable

##### IMDG

Transport hazard class(es) (IMDG) : Not applicable

##### IATA

Transport hazard class(es) (IATA) : Not applicable

##### ADN

Transport hazard class(es) (ADN) : Not applicable

##### RID

Transport hazard class(es) (RID) : Not applicable

#### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment : No

# HALF-FRASER SELECTIVE SUPPLEMENT

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) - Annex II

**Marine pollutant** : No  
**Other information** : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

Carriage prohibited (ADN) : No

Not subject to ADN : No

#### - Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H411	Toxic to aquatic life with long lasting effects

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*