



## SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 1

Compilation date: 01/08/2011

Revision date: 16/03/2019

Revision No: 7

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

#### 1.1. Product identifier

**Product name:** BLACKFAST 800 INTERSTAGE RUST INHIBITOR

**Product code:** 800

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

**Use of substance / mixture:** In use this product should be diluted to 2-4% in water. PC19: Intermediate. PROC4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC19: Hand-mixing with intimate contact and only PPE available ERC5: Industrial use resulting in inclusion into or onto a matrix

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

**Company name:** Blackfast Chemicals Ltd.

Unit 5 Russell House

Molesey Road

Walton-on-Thames

Surrey

KT12 3PE

UK

**Tel:** +44 (0)208 339 7370

**Fax:** +44 (0)208 339 7371

**Email:** sales@blackfast.com

#### 1.4. Emergency telephone number

**Emergency tel:** +44(0)1865 407333

### Section 2: Hazards identification

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

**Classification under CLP:** Eye Dam. 1: H318; Repr. 1B: H360FD; Skin Irrit. 2: H315; Skin Sens. 1: H317

**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May damage fertility. May damage the unborn child.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H360FD: May damage fertility. May damage the unborn child.

[cont...]

# SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 2

**Hazard pictograms:** GHS05: Corrosion  
GHS07: Exclamation mark  
GHS08: Health hazard



**Signal words:** Danger

**Precautionary statements:** P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P261: Avoid breathing vapours/spray.  
P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P281: Use personal protective equipment as required.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor.  
P321: Specific treatment (see instructions on this label)  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

## 2.3. Other hazards

**Other hazards:** Danger of serious damage to health by prolonged exposure.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

2,2'-IMINODIETHANOL - REACH registered number(s): 01-2119488930-28-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-868-0	111-42-2	-	Acute Tox. 4: H302; STOT RE 2: H373; Skin Irrit. 2: H315; Eye Dam. 1: H318	5-10%

DISODIUM TETRABORATE DECAHYDRATE

215-540-4	1303-96-4	-	Repr. 1B: H360FD	5-10%
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ORTHOBORIC ACID, COMPOUND WITH 2,2'-IMINODIETHANOL

267-886-0	67952-33-4	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	5-10%
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[cont...]

# SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 3

## MODIFIED ALCOHOL ETHOXYLATE

-	68154-99-4	-	Skin Irrit. 2: H315; Eye Dam. 1: H318	5-10%
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## NAPHTHENIC ACIDS - REACH registered number(s): 01-2119552477-31-XXXX

215-662-8	1338-24-5	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317	<5%
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## 2-PHENOXYETHANOL; PHOSPHORIC ACID

676-994-0	72283-31-9	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319	<5%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination. Consult a doctor.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

[cont...]

## SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 4

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Evacuate the area immediately.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Polyethylene.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

[cont...]

# SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 5

## 2,2'-IMINODIETHANOL

### Workplace exposure limits:

### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	(13)	-	-	-

### DNEL/PNEC Values

### Hazardous ingredients:

#### 2,2'-IMINODIETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	1mg/m3	-	Local

#### DISODIUM TETRABORATE DECAHYDRATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	11.7mg/m3	-	Local

#### NAPHTHENIC ACIDS

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	7.76mg/m3	-	Systemic

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** 0,35 mm Nitrile gloves. 0,5 mm Butyl gloves. PVC gloves. Breakthrough time of the glove material > 8 hours.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

### Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Yellow-tan

**Odour:** Barely perceptible odour

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Miscible

**Viscosity:** No data available.

**Boiling point/range°C:** No data available.

**Flammability limits %: lower:** No data available.

**Flash point°C:** No data available.

**Autoflammability°C:** No data available.

**Relative density:** 1.063

**Melting point/range°C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

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# SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 6

pH: 9.5-10

VOC g/l: Not applicable.

## 9.2. Other information

Other information: No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Flames.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

#### 2,2'-IMINODIETHANOL

DERMAL	RBT	LD50	8380	mg/kg
ORL	RAT	LD50	680	mg/l

#### DISODIUM TETRABORATE DECAHYDRATE

ORAL	RAT	LD50	2660	mg/kg
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#### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

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# SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 7

Respiratory/skin sensitisation	DRM	Hazardous: calculated
Reproductive toxicity	--	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Hazardous ingredients:**

#### 2,2'-IMINODIETHANOL

FISH	96H LC50	1480	mg/l
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#### DISODIUM TETRABORATE DECAHYDRATE

ALGAE	96H LC50	15.4	mg/l
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### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 13 08 99

**Disposal of packaging:** Arrange for collection by specialised disposal company.

[cont...]

# SAFETY DATA SHEET

BLACKFAST 800 INTERSTAGE RUST INHIBITOR

Page: 8

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H360FD: May damage fertility. May damage the unborn child.

H373: May cause damage to organs ({{{0|||message=<or state all organs affected, if known>|||filter=(\_)?ORGAN\_.+}}}) through prolonged or repeated exposure ({{{1|||message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>|||filter=(\_)?EXP\_ROUTE\_.+}}}).

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.