

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

PRODUCT NAME: BLACKFAST 182 BLACKING CREAM  
APPLICATION: Blacking of iron and steel at room temperature  
COMPANY: Blackfast Chemicals  
ADDRESS: 78 Coombe Road, New Malden, Surrey KT3 4QS, England  
TEL/FAX NO'S: Tel: 020-8336 2900 Fax: 020-8336 0909

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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organic salts.

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Ingredients:	Note:	< max	Classification:	CAS-no:	EU-no:
Selenium Dioxide	<1% as Se	% 1	T; R23/25, R33 N; R50/53	7446-08-4	231-194-7
Copper Sulphate	<1% as Cu	1-5	Xn; R22, Xi; R36/38, N; R50/53	7758-98-7	231-847-6
Nickel Sulphate	<1% as Ni	1-5	Carc.Cat 3; R40, Xn; R22, R42/42, N; R50/53	7647-01-0	231-595-7
Potassium Bifluoride		1	T; R25, C; R34	7789-29-9	232-156-2

(All components are EINECS/ELINCS listed or polymer exempt)

## 3. HAZARDS IDENTIFICATION Irritant

## 4. FIRST AID MEASURES

INHALATION: This is unlikely to occur under normal operations at room temperature. Remove from contaminated area. Seek medical attention.

INGESTION: Wash out mouth with plenty of water and give a glass of water or milk to drink. Seek immediate medical attention.

SKIN: Remove all contaminated clothing, taking care not to transfer the material to unaffected areas. Drench the area with copious amounts of water. Seek medical attention if irritation persists.

EYES: Bathe eye with water for 15 minutes. Transfer to hospital for specialist examination.

## 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS:	Will not support combustion
DECOMPOSITION PRODUCTS:	Oxides of Carbon, Phosphorus, Selenium, Chlorine and Chlorine Oxides.
EXTINGUISHING MEDIA:	Water spray, fog or mist

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear protective clothes, PVC gloves and eye protection. When dealing with a spill note recommendations in Section 7.
ENVIRONMENTAL: SPILLAGE:	Prevent entry into drains, sewers and water courses. Absorb liquid in absorbent clay granules. Sweep up the spillage and store in sealed plastic containers ready for disposal. Dispose of as special waste. Wash the area with water.

## 7. HANDLING AND STORAGE

Avoid inhaling the vapour. Avoid contact with skin and eyes. Store in clean, dry conditions. Keep container closed and ensure label is intact and legible. Prevent from freezing and entry into drains.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MAXIMUM EXPOSURE LIMITS:	Nickel compound 8 hr TWA 0.1 mgm <sup>3</sup> (EH40/94).
OCCUPATIONAL EXPOSURE LIMITS:	Selenium compound (as Se) 8 hr TWA 0.1 mgm <sup>3</sup> (EH40/94).

Cover when not in use. Local exhaust ventilation is recommended when in continuous use.

PERSONAL PROTECTIVE EQUIPMENT:	Wear impervious PVC gloves, eye protection and plastic apron. Remove contaminated clothing promptly.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Blue gel cream
SPECIFIC GRAVITY:	1.08 @ 20°C
SOLUBILITY/MISCIBILITY IN WATER:	Forms as suspension
FLASH POINT:	N/A
pH:	2.0 - 2.5
DEGRADATION:	Can occur above 50°C

## 10. STABILITY AND REACTIVITY

Solution is stable under normal conditions. Avoid temperatures above 40°C and below 5°C. Irritant gases may be released above 50°C. Avoid source of ignition.

## 11. TOXICOLOGICAL INFORMATION

The following toxicological information is based on the toxicity of the product's principal hazardous component - Selenium compound.

Local contact may cause irritation of the skin and mucous membranes. Inhalation may cause coughing. Ingestion may cause vomiting and diarrhoea.

Main route of exposure by skin contact or ingestion.

## 12. ECOLOGICAL INFORMATION

MOBILITY:	Soluble in water. Do not allow entry to drains or ground water.
DEGRADABILITY:	Not degradable.
BIOACCUMULATIVE:	Not known.
AQUATIC TOXICITY:	Fatal to fish and other aquatic life.

## 13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

PRODUCT:	Dispose through and authorised waste contractor to a licensed site. Classified as special waste.
PACKAGING:	All residues to be removed from packaging prior to disposal as controlled waste.

## 14. TRANSPORT INFORMATION

SHIPPING NAME:	Environmentally hazardous substance, liquid, N.O.S., 9, UN3082, PG III
PACKING GROUP:	III
UN NUMBER:	3082
HAZARD CLASS:	9

## 15. REGULATORY INFORMATION

HAZARDOUS INGREDIENTS:	Selenium, Copper and Nickel compounds.
SYMBOL:	Xi N Carc3
RISK PHRASES:	R36/38 Irritating to eyes and skin. R40 Limited evidence of carcinogenic effect. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
SAFETY PHRASES:	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise. S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the immediately (show the label where possible). S53 Avoid exposure - obtain special instructions before use. S60 This material and/or its container must be disposed of as hazardous waste. S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

## 16. ADDITIONAL INFORMATION

Read the Application data sheet before using this or any Blackfast product. The product is intended for the stated use only. Do not use the product for any other application without obtaining advice from us beforehand.

If this product is for resale, ensure that the purchaser receives a copy of this information. If this product is for end use, ensure that your employees and others who may be affected are aware of the contents of this sheet.

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.