

SAFETY DATA SHEET

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

PRODUCT NAME: BLACKFAST 626A ALKALINE DEGREASER
APPLICATION: Degreasing of iron and steel
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

COMPOSITION: Alkaline detergent powders containing Sodium Hydroxide.
HAZARDOUS INGREDIENTS: Sodium Hydroxide (>10% w/w) Sodium Metasilicate (>10% w/w)
SYMBOL: C
RISK PHRASES: R35
EEC NO: 215 - 185 - 5

3. HAZARDS IDENTIFICATION Corrosive

4. FIRST AID MEASURES

SPEED IS ESSENTIAL. OBTAIN IMMEDIATE MEDICAL ATTENTION.

INHALATION: Remove from the contaminated atmosphere. Keep warm and at rest. Administer oxygen if necessary.
INGESTION: DO NOT induce vomiting. Provided the patient is conscious wash out mouth with water and give 200-300 mls of water to drink.
SKIN: Remove contaminated clothing taking care not to transfer the material to unaffected areas. Wash affected area with copious amounts of water for at least 10 minutes.
EYES: Immediately wash the eyes for at least 15 minutes with eyewash solution or clean water, holding the eyelids apart. Continue irrigation until medical attention can be obtained.

In all cases where medical attention is sought, show the Doctor this data sheet.

5. FIRE FIGHTING MEASURES

Non combustible. Contact with some metals can produce flammable hydrogen gas. Contact with some organic chemicals can produce violent or explosive reactions. If electric arc welding or cutting particular attention must be paid to the way the circuit is completed to eliminate the possibility of electrolysis of liquor producing hydrogen.

Protective equipment: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: When dealing with a spill note the recommendations in Section 7.

ENVIRONMENTAL: Do not allow the material to directly enter sewers without neutralising.

Do not allow to enter surface water courses.

SPILLAGE: Neutralise small amounts with water and wash to drain.

Contain larger spillages with sand, earth or any suitable absorbent material. Remove and dispose of residues. Wash the soiled area with water.

Water washing to drain of large amounts of caustic soda should only be carried out with the prior consent of the National Rivers Authority or other appropriate regulatory body. Spillages or uncontrolled discharges into water courses, drains or sewers must be immediately alerted to the National Rivers Authority or other appropriate regulatory body.

7. HANDLING AND STORAGE

Handling: Wear appropriate NIOSH/MSHA approved respirator, chemical resistant gloves, safety goggles or full face shield and suitable protective clothing. Do not breathe dust or vapour. Do not get in eyes, on skin or on clothing. Have safety showers and eye bath available.

Storage: Keep container tightly closed. Store in a cool, dry place away from acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear close fitting goggles or full face shield. Wear suitable protective clothing and gloves – PVC is recommended. Use suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Occupational Exposure Limits:

<u>Hazardous Ingredient</u>	LTEL 8hr.	TWA	STEL	TIME
Sodium Hydroxide	See Section 11		ppm	3 mins. 10 OES
			mg/m ³	2

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Powder
COLOUR:	White
pH (1% solution):	>13
SOLUBILITY IN WATER:	Yes

10. STABILITY AND REACTIVITY

Hazardous Reactions:

Can react violently if in contact with acids and chlorinated hydrocarbons. Highly reactive with aluminium, zinc, lead, tin and alloys of these materials producing flammable hydrogen gas. Exothermic reaction with water. Can react with sugar residues to form carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Inhalation:	Dust is severe irritant to the respiratory tract. Effect may vary from irritation of the nasal mucous membrane to severe lung irritation.
Skin contact:	May cause burns with permanent skin damage which is slow to heal. Repeated or prolonged contact may cause dermatitis.
Eye contact:	Extremely severe irritant/corrosive. May cause severe damage with the formation of corneal ulcers and permanent impairment of vision.

Ingestion: Will immediately cause corrosion of and damage to the gastrointestinal tract.

Long term exposure: The severity of acute effects is such that significant or prolonged exposure is unlikely.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

High tonnage material used in partially contained systems.

Liquid with low volatility. The substance does not bioaccumulate.

Persistence and Degradation

Sodium hydroxide degrades readily by reaction with the natural carbon dioxide in the air.

Toxicity

Concentrations greater than 10ppm, especially in fresh water, or a pH value greater than 10.5 may be fatal to fish and other aquatic organisms. Can cause damage to vegetation and aquatic plants.

Effect on Effluent Treatment

Concentrations sufficient to render effluent alkaline may cause damage to effluent treatment organisms.

13. DISPOSAL INFORMATION

Disposal should be in accordance with local or national legislation.

14. TRANSPORT INFORMATION

CAS NUMBER	1310 - 73 - 2
UN NUMBER	3262 Alkaline (Corrosive Solid, Basic, Inorganic, N.O.S.)
UN PACKING GROUP	II
<u>AIR</u>	
ICAO/IATA Class	
Primary	8
UN Packing Group	
Air	II

SEA

IMDG Class
 Primary 8
UN Packing Group
 Sea II

ROAD/RAIL

ADR/RID Class 8
ADR/RID Item
 Number 42 (b)
 ADR SIN 3262

15. REGULATORY INFORMATION

ECC CLASSIFICATION: CORROSIVE

INGREDIENTS ON LABEL: Contains Sodium Hydroxide

HAZARD SYMBOL: C

RISK PHRASES: R35 Causes severe burns

SAFETY PHRASES: S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
 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 advise immediately (show the label where possible).

16. OTHER 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 nor be held liable for any damage resulting from handling or from contact with the above product.