

# SAFETY DATA SHEET

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

PRODUCT NAME: BLACKFAST 513 ACID PICKLE  
APPLICATION: Pickling 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

Ingredients:	Note:	< max %	Classification:	CAS-no:	EU-no:
Hydrochloric Acid		20-50	T; R23, C; R35	7647-01-0	231-595-7
Alcohol Ethoxylate		1-5	Xn; R22, Xi; R41	68439-45-2	
Ethyl Diglycol		1-5	Xi; R36	111-90-0	203-919-7

## 3. HAZARDS IDENTIFICATION

Toxic  
Corrosive

## 4. FIRST AID MEASURES

	<u>SYMPTOM</u>	<u>TREATMENT</u>
INHALATION:	Coughing, wheezing, shortness of breath, chest pains. attention if feeling unwell.	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
INGESTION:	Severe burns to gastrointestinal tract.	Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. If patient feels unwell seek medical attention.
SKIN:	Burns.	Drench the skin with plenty of water. Remove contaminated clothing and wash before re-use. If large areas of the skin is damaged or if irritation persists seek medical attention.
EYES:	Severe burns, may cause permanent damage.	Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.

IMMEDIATE TREATMENT/  
ANTIDOTE:

Following major exposure, patient should be kept under medical supervision as delayed pulmonary oedema may develop.

## 5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS:

Non flammable. Will not support combustion.

SUITABLE EXTINGUISHING MEDIA:

Water spray, fog or mist.

DECOMPOSITION PRODUCTS:

Hydrogen Chloride, Chlorine, Chlorine Oxides.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 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. Neutralise small amounts with soda ash or builders lime and flush to sewer. Absorb liquid in absorbent clay granules and mix with soda ash or builders lime to neutralise. 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

Wear suitable gloves, eye protection and clothing.

Avoid inhaling the vapour. Avoid contact with skin and eyes. Store in clean, dry conditions. between 5 and 40°C. away from direct sunlight. Keep container closed and ensure label is intact and legible.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE  
LIMITS:

Hydrogen Chloride 15 min ref.  
Period 7 mgm<sup>3</sup> (EH40/94)

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

PERSONAL PROTECTIVE CLOTHING: Wear impervious (PVC) gloves, eye protection and plastic apron. Remove contaminated clothing immediately.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Yellow liquid
SOLUBILITY/MISCIBILITY IN WATER:	Complete
FLASH POINT:	N/A
pH:	1.0 - 1.5
SPECIFIC GRAVITY:	1.13 @ 20°C

## 10 STABILITY AND REACTIVITY

Solution is stable under normal conditions. Avoid temperatures above 50°C and direct sunlight. Corrosive gases is released on heating. Avoid sources of ignition. Incompatible chemicals - strong bases which react generating heat, and metals which produce a flammable gas, hydrogen.

## 11. TOXICOLOGICAL INFORMATION

Inhalation of mists and vapour will cause irritation of the upper respiratory tract, high concentrations may cause corrosion, pulmonary oedema may occur up to 48 hours after exposure. Corrosive to skin, eyes and mucous membranes. Ingestion may cause damage to the gastrointestinal tract. Repeated exposure to low levels may cause erosion of the teeth and ulceration of the nasal septum and gums.

## 12. ECOLOGICAL INFORMATION

MOBILITY:	High volatile liquid, soluble in water, predicted to have high mobility in soil.
DEGRADABILITY:	Neutralised slowly by natural alkalinity. Bioaccumulative potential: Material does not bioaccumulate.
AQUATIC TOXICITY:	Fatal to fish and other aquatic life due to low pH.

## 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.
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PACKAGING: All residues to be removed from packaging prior to disposal as controlled waste.

#### 14. TRANSPORT INFORMATION

##### SPECIAL CARRIAGE

PRECAUTIONS: Keep upright.  
PACKING GROUP: II Corrosive substance  
UN NUMBER: 1789  
ADR: 8, 5<sup>o</sup>(b)  
HAZARD CLASS: 8  
EMERGENCY ACTION CODE: 2R

#### 15. REGULATORY INFORMATION

HAZARDOUS INGREDIENTS: Hydrochloric Acid  
SYMBOL: R23/24/ 25 Toxic by inhalation, in contact with skin and if swallowed.  
RISK PHRASES: R20/21/ 22 Harmful by inhalation, in contact with skin and if swallowed.  
R35 Causes severe burns.  
R36/38 Irritating to eyes and skin.  
R41 Risk of serious damage to eyes.

SAFETY PHRASES: S1 Keep locked up  
S7 Keep container tightly closed.  
S13 Keep away from food, drink and animal feeding stuffs.  
S20 When using do not eat or drink.  
S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S38 In case of insufficient ventilation, wear suitable respiratory equipment.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S52 Not recommended for interior use on large surface areas.  
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.

## 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.

