



Blackfast 510 Acid Pickle

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

1.1 - Product identifier

Trade name/designation Blackfast 510 Acid Pickle

Chemical name

Product-type Mixture

Product code 510

UFI: PSD1-F0PY-200R-EWMX

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

Relevant identified uses - Metal surface treatment products

1.3 - Details of the supplier of the safety data sheet

Blackfast Chemicals Ltd.

Unit B

121 Roebuck Road

KT9 1EU Chessington United Kingdom

Telephone : 020 8339 7370

Website www.blackfast.com

Jeanet SDS contact: 020 8339 7370 sales@blackfast.com

Manufacturer

Blackfast Chemicals Ltd.

Unit B

121 Roebuck Road

Chessington

Surrey

KT9 1EU

United Kingdom

Tel: +44(0) 20 8339 7370

Email: sales@blackfast.com

1.4 - Emergency telephone number

- +44 20 3885 0382 (24Hrs)

+44 20 3807 3798 (24Hrs)

NHS Direct +44 111

United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

Skin Corr. 1A	Skin corrosion, Category 1A
Met. Corr. 1	Corrosive to metals - Category 1

2.2 - Label elements

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

Contains: hydrogen chloride (CAS No.: 7647-01-0) | 2,2' -oxybisethanol, diethylene glycol (CAS No.: 111-46-6)

Signal word : Danger



Blackfast 510 Acid Pickle

Hazard pictograms



Hazard statements

H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation

Precautionary statements

P260	Do not breathe dust/fume/mist/vapours/spray.
P264	Wash face/hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P312	Call a a POISON CENTER if you feel unwell.
P321	Specific treatment (see information on this label).
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with national regulation.

EUH-phrases : None

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
phosphoric acid ... %, orthophosphoric acid ... %	CAS No. : 7664-38-2 Index No. : 015-011-00-6 EC No. : 231-633-2 REACH No. : 01-2119485924-24	30 - < 40	Skin Corr. 1B - H314	Skin Corr. 1B - H314 : 25<=%<=100 Skin Irrit. 2 - H315 : 10<=%<25 Eye Irrit. 2 - H319 : 10<=%<25
hydrogen chloride	CAS No. : 7647-01-0 Index No. : 017-002-00-2 EC No. : 231-595-7 REACH No. : 01-2119484862-27	10 - < 20	Acute Tox. 3 Inhalation - H331 Press. Gas Skin Corr. 1A - H314	Not applicable



Blackfast 510 Acid Pickle

Chemical name	No	%	Class(es)	Specific concentration limit
2,2'-oxybisethanol, diethylene glycol	CAS No. : 111-46-6 Index No. : 603-140-00-6 EC No. : 203-872-2 REACH No. : 01-2119457857-21	1 - < 5	Acute Tox. 4 Oral - H302	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Call a physician immediately.
- After inhaling vapors the first signs of poisoning can show up hours later, so always consult a doctor.
- When in doubt or if symptoms are observed, get medical advice.
- In case of inhaling spray mist, consult a physician.
- No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator.

Following skin contact

- Remove contaminated, saturated clothing immediately.
- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin irritation, consult a physician.

After eye contact

- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

- Seek medical advice immediately (poison centre).
- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

4.2 - Most important symptoms and effects, both acute and delayed

Symptoms and effects - Following inhalation

- No information available.

Symptoms and effects - Following skin contact

- Causes severe skin burns and eye damage.

Symptoms and effects - After eye contact

- Causes serious eye damage.

Symptoms and effects - After ingestion

- Abdominal pain

4.3 - Indication of any immediate medical attention and special treatment needed

- No information available.
- Immediately call a POISON CENTER/doctor/....
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Water mist
- Carbon dioxide (CO2)

Unsuitable extinguishing media

- Strong water jet



Blackfast 510 Acid Pickle

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- No data available.
- May form hazardous decomposition products when exposed to high temperatures.

Hazardous decomposition products

- No data available.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Provide adequate ventilation.
- Use personal protection equipment.
- Disposable gloves.
- Spectacles with side protection.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

For emergency responders

- Avoid generation of dust.
- Use personal protection equipment.
- Remove persons to safety.
- Use appropriate respiratory protection.

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Do not use a brush or compressed air for cleaning surfaces or clothing.
- Clean contaminated objects and areas thoroughly observing environmental regulations.
- Take up dust-free and set down dust-free.
- Use approved industrial vacuum cleaner for removal.
- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7

SECTION 7: Handling and storage



Blackfast 510 Acid Pickle

7.1 - Precautions for safe handling

Recommendation

- Wear personal protective clothing (see section 8).
- Provide adequate ventilation as well as local exhaust at critical locations.
- Vapours/aerosols should be exhausted directly at the point of origin.
- Put lids on containers immediately after use.

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Provide eye shower and label its location conspicuously.
- Wash contaminated clothing prior to re-use.
- Remove contaminated, saturated clothing immediately.
- Used working clothes should not be worn outside the working area.
- Wash hands before breaks and after work.
- Work in well-ventilated zones or use proper respiratory protection.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Keep container tightly closed and in a well-ventilated place.
- Unsuitable container/equipment material:
- Steel

7.3 - Specific end use(s)

- Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

2,2'-oxybisethanol, diethylene glycol (111-46-6)

STEL EH40 ppm (UK)	23 ppm
STEL EH40 mg/m ³ (UK)	101 mg/m ³

phosphoric acid ... %, orthophosphoric acid ... % (7664-38-2)

TWA EH40 mg/m ³ (UK)	1 mg/m ³
---------------------------------	---------------------

- No data available.

8.2 - Exposure controls

Appropriate engineering controls

- Provide adequate ventilation.
- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
- See section 7 of the safety data sheet.

Individual protection measures, such as personal protective equipment

- Spectacles with side protection.

- (EN166)





Blackfast 510 Acid Pickle

- Wear protective gloves.



- (EN374)

- Filtering device (full mask or mouthpiece) with filter:

- The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

- Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	light yellow	<u>Odour</u>	acidic
Odour threshold		No data available	
pH		1 < V < 1.5	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		1.13	
Density		No data available	
Solubility (Water)		easily soluble.	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

Particle characteristics

Particle size	No data available
---------------	-------------------



Blackfast 510 Acid Pickle

9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Stable under recommended storage and handling conditions.

10.5 - Incompatible materials

- No data available.

10.6 - Hazardous decomposition products

- No data available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Harmful if inhaled.

Skin corrosion/irritation - Skin corrosion, Category 1A - Causes severe skin burns and eye damage
- Causes severe skin burns and eye damage.

Serious eye damage/eye irritation - Not classified

- Causes serious eye damage.



Blackfast 510 Acid Pickle

Respiratory or skin sensitisation - Not classified

- No data available.

Germ cell mutagenicity - Not classified

- No data available.

Carcinogenicity - Not classified

- No data available.

Reproductive toxicity - Not classified

- No data available.

STOT-single exposure - Not classified

- No data available.

STOT-repeated exposure - Not classified

- No data available.

Aspiration hazard - Not classified

11.2 - Information on other hazards

- No information available.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- No data available.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No data available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available



Blackfast 510 Acid Pickle

- No data available.

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

- The product contains a substance that is identified as having endocrine disrupting properties.

12.7 - Other adverse effects

- No data available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - No information available.

Sewage disposal - No information available.

Special precautions for waste treatment

- Consult supplier about waste disposal.
- Waste for disposal is to be classified and labelled.
- The waste is to be kept separate from other types of waste until its disposal.

Community or national or regional provisions - Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN3264

UN number (IMDG) : UN3264

UN number (IATA) : UN3264

14.2 - UN proper shipping name

UN proper shipping name (ADR) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %)

UN proper shipping name (IMDG) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %)

UN proper shipping name (IATA) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (phosphoric acid ... %, orthophosphoric acid ... %)

14.3 - Transport hazard class(es)



Blackfast 510 Acid Pickle

ADR Transport hazard class(es) : 8
ADR Classification code: : C1
Pictograms



Transport hazard class(es) (IMDG) : 8
Pictograms



Transport hazard class(es) (IATA) : 8
Pictograms



14.4 - Packing group

Packing group : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user



Blackfast 510 Acid Pickle

ADR

ADR Classification code:	:	C1
ADR Special provisions	:	274
ADR Limited quantity (LQ)	:	5L
ADR Excepted quantities	:	E1
ADR Packing instructions	:	P001 IBC03 LP01 R001
ADR Special packing provisions	:	
ADR Mixed packing provisions	:	MP19
Instructions for portable tanks and bulk containers	:	T7
Special provisions for portable tanks and bulk containers	:	TP1 TP28
ADR tank code	:	L4BN
ADR tanks special provisions	:	TU42
Vehicle for tank carriage	:	AT
ADR Transport category	:	3
ADR Tunnel restriction code	:	E
ADR Special provisions loading, unloading and handling	:	
Special provisions - Packages	:	V12
Special provisions - Bulk	:	
Special provisions - Operation	:	
ADR Hazard identification number (Kemler No.)	:	80

IMDG

Special provisions	:	223 274
Limited quantity (LQ)	:	5 L
Excepted quantities	:	E1
Packing instructions	:	P001 LP01
Special packing provisions	:	
IBC instruction(s)	:	IBC03
IBC provisions	:	
Instructions for portable tanks and bulk containers	:	T7
Special provisions for portable tanks and bulk containers	:	TP1 TP28
EmS codes	:	F-A, S-B
Stowage and handling	:	Category A SW2
Segregation	:	SGG1 SG36 SG49
Properties and observations	:	Causes burns to skin, eyes and mucous membranes.

IATA

PCA - Excepted quantities	:	E1
PCA - Limited Quantity - Packing Instructions	:	Y841
PCA - Limited Quantity - Maximum Net Quantity per Package	:	1L
PCA - Packing Instructions	:	852
PCA - Maximum Net Quantity per Package	:	5L
CAO - Packing Instructions	:	856
CAO - Maximum Net Quantity per Package	:	60L
Special Provisions	:	A3 A803
ERG Code	:	8L



Blackfast 510 Acid Pickle

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

- Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

- Hydrogen chloride (7647-01-0)

- 2,2'-oxybisethanol diethylene glycol 111-46-6

- phosphoric acid (7664-38-2)

- ----- // -----

- CoRAP

- 2,2'-oxybisethanol diethylene glycol 111-46-6

- ----- // -----

- Regulation (EC) 2019/1021 [POP Regulation]

- None

- ----- // -----

- Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer [Ozone Layer Regulation]

- None

- ----- // -----

- Regulation (EC) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals

- None

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
9	03/02/2023		

Texts of the regulatory sentences

Acute Tox. 3 Inhalation	Acute toxicity (inhalative) - Category 3
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H331	Toxic if inhaled
H335	May cause respiratory irritation
Met. Corr. 1	Corrosive to metals - Category 1



Blackfast 510 Acid Pickle

Press. Gas	Gases under pressure
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B

*** **