

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

1.1 Product identifier

Substance

Product Name **BORIC ACID**
 Product Code B0503
 CAS # 10043-35-3
 Synonyms / Tradenames
 IUPAC Name
 MDL #
 EINECS # 233-139-2
 REACH #

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

For research and laboratory use only.

1.3 Details of the supplier of the safety data sheet

Melford Laboratories Ltd
 Bildeston Road, Chelsworth
 Ipswich
 Suffolk
 IP7 7LE
 UK



Tel: 01449 741178
 Fax: 01449 741217
 Email: support@melford.co.uk

1.4 Emergency telephone number

01449 741178

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

H360 Repr. 1A

* The risk codes have been generated using Annex VII of directive 67/548/EEC. Risk code combinations are not included.

2.2 Label elements

Signal Word: **Danger**



Hazard Statements

H360 May damage fertility or the unborn child .

Precautionary Phrases

P201	Obtain special instructions before use. .
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P405	Store locked up.
P501	Dispose of contents/container to in accordance with national regulation.

2.3 Other Hazards

Additional Precautionary Phrases are located throughout the SDS.

SECTION 3: Composition / information on ingredients

3.1 Substances

Safety Data Sheet

Revision 1.00
modified: 21/03/2011

BORIC ACID

Assay:100% CAS:10043-35-3

3.2 Mixtures

Not Relevant

SECTION 4: First aid measures

4.1 Description of first aid measures

Skin contact

Eye contact

Ingestion

Inhalation

4.2 Most important symptoms and effects, both acute and delayed

IF exposed or concerned: Get medical advice/ attention.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable

Unsuitable

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.2 Environmental precautions

6.3 Methods and material for containment and cleaning up

6.4 Reference to other sections

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Safe handling Obtain special instructions before use. .

Protection against explosions and fires Do not handle until all safety precautions have been read and understood.

7.2 Conditions for safe storage, including any incompatibilities

Managing storage risks

Storage controls

Maintaining integrity

Further information about storage conditions Store locked up.

7.3 Specific end use(s)

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

No Data Available

8.2 Exposure controls

General protective and hygiene measures Use personal protective equipment as required.

Engineering measures

Eye/face protection

Hand protection

Respiratory protection

Skin protection

Other personal protection advice

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White solid
Odour	N/A
Odour threshold	N/A
pH	N/A
Melting point/freezing point	160°C
Initial boiling point and boiling range	N/A
Flash point	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability or explosive limits	N/A
Vapour pressure	N/A
Vapour density	N/A
Relative density	1.44g/cm ³
Solubility(ies);	N/A
Partition coefficient: n-octanol/water	N/A
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	N/A
Explosive properties	N/A

Oxidising properties

N/A

9.2 Other information

None

SECTION 10: Stability and reactivity**10.1 Reactivity**

no unusual reactivity

10.2 Chemical stability

Stable at room temperature.

10.3 Possibility of hazardous reactions

no hazardous reactions known

10.4 Conditions to avoid

Moist Air.

10.5 Incompatible materialsAcid anhydrides.
Potassium.**10.6 Hazardous decomposition products**

In combustion emits toxic fumes.

SECTION 11: Toxicology information**11.1 Information on toxicology effects**

<i>Acute toxicity</i>	Oral LD50 (rat) 2,660 mg/kg
<i>Skin corrosion / irritation</i>	No information available
<i>Serious eye damage / irritation</i>	No information available
<i>Respiratory or skin sensitisation</i>	No information available
<i>Germ cell mutagenicity</i>	No information available
<i>Carcinogenicity</i>	No information available
<i>Reproductive toxicity</i>	Presumed human reproductive toxicant.
<i>STOT-single exposure</i>	No information available
<i>STOT-repeated exposure</i>	No information available
<i>Aspiration hazard</i>	No information available

11.2 Additional Information

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
The toxicological properties have not been fully investigated

SECTION 12: Ecological information

12.1 Toxicity

No information available

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations

Disposal of packaging

SECTION 14: Transport information

Air (ICAO)

Not classified as hazardous for transport

Road (ADR)

Not classified as hazardous for transport

Sea (IMDG)

Not classified as hazardous for transport

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations

15.2 Chemical safety assessment

See Appendix 1

SECTION 16: Other information

16 Other information

**Associated risk phrases according to european directive
67/548/EEC**

16 Disclaimer