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ReAgent

SAFETY DATA SHEET BORIC ACID TECHNICAL

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

PRODUCT NAME	BORIC ACID TECHNICAL
CAS-No.	10043-35-3
EC No.	233-139-2
PRODUCT NO.	C0267
APPLICATION	General chemical reagent
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: info@reagent.co.uk

2 HAZARDS IDENTIFICATION

CLASSIFICATION (67/548)	Repr. Cat. 1;R60, R61.	
CLASSIFICATION (EC 1272/2008)	Physical	Not classified.
	Health	Repr. 1A - H360FD
	Environmental	Not classified.

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD	Danger	
HAZARD STATEMENTS	H360FD	May damage fertility or the unborn child.
PRECAUTIONARY STATEMENTS	P201	Obtain special instructions before use.
	P281	Use personal protective equipment as required.
	P308/313	IF exposed or concerned: Get medical advice/attention.
	P501	Dispose of contents / container in accordance with local, regional, national, international regulations.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS	P202	Do not handle until all safety precautions have been read and understood.
	P405	Store locked up.

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	233-139-2
CAS-No.	10043-35-3

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

BORIC ACID TECHNICAL**INGESTION**

Rinse mouth thoroughly. Get medical attention.

SKIN CONTACT

Remove contaminated clothing and wash before re - use. Wash skin thoroughly with soap and water. In serious cases or if discomfort continues after slight contact obtain medical attention.

EYE CONTACT

Promptly wash eyes with plenty of water or eyewash solution while lifting the eyelids. Remove contact lenses if possible. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Avoid dust formation. Small Spillages: Carefully remove with scoop or shovel if safe to do so and transfer to waste containers. Large Spillages: Contain and mix spillage with sand or other inert absorbant. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit (WEL) is not exceeded.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator. Wear respirator if there is dust formation.

HAND PROTECTION

Use protective gloves made of: Rubber or plastic.

EYE PROTECTION

Wear safety glasses. Use tight fitting goggles if dust is generated.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid		
COLOUR	White		
ODOUR	Odourless		
SOLUBILITY	Slightly soluble in water.		
MELTING POINT (°C)	Approx. 185	RELATIVE DENSITY	1.44 20
BULK DENSITY	0.4 - 0.6 kg/l	pH-VALUE, CONC. SOLUTION	3.7 (4.6% @ 20 C)
SOLUBILITY VALUE (g/100g H ₂ O@20°C)	Approx 4.7		

10 STABILITY AND REACTIVITY

BORIC ACID TECHNICAL**STABILITY**

Stable.

MATERIALS TO AVOID

Alkali metals. anhydrides

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 2660 mg/kg (oral rat)

INHALATION

May cause irritation to the respiratory system.

INGESTION

Nausea, vomiting. Diarrhoea.

SKIN CONTACT

Slightly irritating.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Ecological effects cannot be excluded in the event of improper handling or disposal.

LC 50, 96 Hrs, FISH mg/l 79 - 155

EC 50, 48 Hrs, DAPHNIA, mg/l 133

BIOACCUMULATION

Low bioaccumulation potential.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15 REGULATORY INFORMATION**STATUTORY INSTRUMENTS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION**GENERAL INFORMATION**

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

REVISION COMMENTS

This is first issue.

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SDS NO. 20674

SAFETY DATA SHEET STATUS

Approved.