



MATERIAL SAFETY DATA SHEET

SODIUM PERBORATE TETRAHYDRATE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY	
Product Name:	Sodium Perborate Tetrahydrate
Supplier:	SDC Enterprises Limited Unit 29, Pitcliffe Way Upper Castle Street Bradford BD5 7SG
Emergency Telephone:	+44 (0) 1274 750160 sales@sdcenterprises.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS				
INGREDIENT NAME	CAS NO.	CONTENTS	EC No	RISK (R NO.)
Sodium Perborate Tetrahydrate	10486-00-7	30-100%	239-172-9	R8, R22, R37, R41 R61, R62

3. HAZARDS IDENTIFICATION
Classification: O: Oxidising, Xn: Harmful, Xi: Irritant R8: Contact with combustible material may cause fire R22: Harmful if swallowed R37: Irritating to respiratory system R41: Risk of serious damage to eyes R61: May cause harm to unborn child R62: Possible risk of impaired fertility

4. FIRST AID MEASURES	
Inhalation:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get prompt medical attention.
Ingestion:	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth with water. Get medical attention immediately!
Skin Contact:	Remove affected person from source of contamination. Rinse the skin immediately with lots of water. Get medical attention promptly if symptoms occur after washing.
Eye Contact:	Promptly wash eyes with plenty of water for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES	
Extinguishing Media:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures:	Use water to keep fire exposed containers cool and disperse vapours. Keep run-off water out of sewers and water sources. Dike for water control.
Unusual Fire & Explosion Hazards	No unusual fire or explosion hazards noted

6. ACCIDENTAL RELEASE MEASURES	
Spill Clean Up Methods:	Absorb in vermiculite, dry sand or earth and place into containers. Avoid generation and spreading of dust. Subsequently wash areas with copious quantities of water. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE	
Usage Precautions:	Avoid spilling, skin and eye contact. Avoid acids, moisture, and combustible materials. Ventilate well, avoid breathing vapours. Used approved respirator if air contamination is above accepted level. Do not breathe dust.
Storage Precautions:	Store in tightly closed container in a cool, dry well-ventilated place. Keep away from acids, metal powders and organic material. Equipment for handling, storing and using sodium perborate and its solutions must be made of non-reactive materials, such as glass, ceramics, stainless steel and certain plastics. Store in accordance with H.S.E. guidance note HS(G) 71.
Storage Class:	Chemical storage

8. PERSONAL PROTECTION AND EXPOSURE CONTROLS

PROTECTIVE EQUIPMENT:



Respiratory Equipment	Use Dust masks to BS2091 Type B or equivalent. Dust filter P2 (for fine dust)
Hand Protection	Use protective gloves made of : Rubber or plastic
Eye Protection	Wear approved safety goggles
Other Protection	Provide eyewash, quick drench
Std	WEL
LT-mg/m3	7 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Crystals or crystalline powder, dust.
Colour:	White
Odour:	Odourless
Solubility:	Soluble in water
pH Value Diluted Solution:	10.0-10.4 at 10g/L @ 25°C

10. STABILITY AND CHEMICAL PROPERTIES

Stability:	Stable under normal temperature conditions
Conditions to Avoid:	Avoid heat, flames and other sources of ignition. Avoid contact with: Strong alkalis
Materials to Avoid:	Strong reducing agents. Powdered metal. Other metals or alloys

11. TOXICOLOGICAL INFORMATION

Name	Sodium Perborate Tetrahydrate
Toxic Dose 1-LD 50	1200 mg/kg (oral rat)
Toxic Dose 2-LD 50	>2000 mg/kg (skn-rbt)
Inhalation:	May cause irritation to the respiratory system
Ingestion:	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Skin Contact:	Irritating to skin
Eye Contact	Irritating and may cause redness and pain
Health Warnings	This chemical may cause skin/eye irritation.
Eyes, Nose & Mouth	Repeated exposure may cause chronic eye irritation.
Skin	Mild dermatitis, allergic skin rash.

12. ECOLOGICAL INFORMATION


Name:	Sodium Perborate
LC 50, 96 Hrs, Fish mg/l:	51
EC 50, 48 Hrs, Daphnia, mg/l:	11
IC 50, 96 Hrs, Algae, mg/l:	26.8
Ecotoxicity:	Not regarded as dangerous for the environment.
Degradability:	Decomposes over time with generation of water and oxygen.
Acute Fish Toxicity:	Aquatic toxicity: LD50/24h/Rainbow Trout = 160-320 mg/l
Water Hazard Classification:	Contains no ingredients classified as Toxic or Very Toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:	Dispose of waste and residues in accordance with local authority requirements.
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14. TRANSPORT INFORMATION

	No transport warning sign required
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15 REGULATORY INFORMATION	
Labelling:	
Risk Phrases:	R8: Contact with combustible material may cause fire R22: Harmful if swallowed R37: Irritating to respiratory system R41: Risk of serious damage to eyes R61: May cause harm to unborn child R62: Possible risk of impaired fertility
Detergent Labelling:	>30% oxygen-based bleaching agents.
UK Regulatory References:	Classification, Packaging and Labelling Regulations 1984. CHIP 3 The Control of Substances Hazardous to Health Regulations 1994.

16. OTHER INFORMATION	
Revision Comments:	Data sheet is in accordance with the CHIP regulations in force on the revision date given below. Revision is due to CHIP3. We have provided as much information on toxicity and ecotoxicity as our raw material manufacturers have made available at this time. This safety data sheet will be reviewed whenever new information comes to light. Includes Detergent Regulation labelling information.
Revision Date:	10/09/2014
Rev No / Replaces SDS Issued:	Rev No 6 / 29/01/2013
SDS Issue No:	7
UN Number	NR (NOT RESTRICTED)
IMCO Class	5.1

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