

JOHN ASTLEY & SONS LTD

MATERIAL SAFETY DATA SHEET

58040

18/01/07

REGULAR BLEACH

1. IDENTIFICATION OF THE PREPARATION AND COMPANY.

Product Name: Regular Bleach (Less than 5% available Chlorine)
Product stock code: 58040
Distributor: John Astley & Sons Ltd,
Renown Avenue,
Coventry Business Park,
Coventry, CV5 6UF
Tel: (024) 7685 4545. Fax: (024) 7685 4515. E-mail: sales@astleys.co.uk

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition.

| Contains: | EINECS No | CAS No | Content | Classification* |
|----------------------|-----------|-----------|---------|-----------------|
| Sodium hypochlorite: | 231-668-3 | 7681-52-9 | < 5% | C; R31, R34 |

* The text for Risk phrases is listed in section 15

3. HAZARDS IDENTIFICATION

Main Hazards: Irritating to the skin and eyes.
Contact with acids liberates toxic gas (chlorine).

4. FIRST AID MEASURES

Inhalation: If exposed to chlorine or other vapours, remove to fresh air. Obtain medical attention.
Skin Contact: Remove contaminated clothing. Wash thoroughly with plenty of running water. Obtain medical attention if symptoms develop.
Eye Contact: Keeping eye open, immediately irrigate with water or eyewash for 15 minutes. Obtain medical attention immediately.
Ingestion: Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give water to drink. Obtain medical attention immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, foam or dry chemical.
Non-combustible but when involved in fire toxic vapours (chlorine) will be evolved, thus a self-contained breathing apparatus should be worn.

6. ACCIDENTAL RELEASE MEASURES

Small Spillages: Dilute to waste with plenty of water.
Large Spillages: Wearing protective clothing including rubber boots, absorb with sand, earth or granules (Do not use sawdust or paper). Wash down site well with water.

7. HANDLING AND STORAGE

Handling: Adequate ventilation is required. Avoid contact with skin and eyes. Do not breathe mist. Avoid contact with other cleaning agents.
Storage: Store in a cool place away from direct sunlight.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal precautions. Wear PVC or rubber gloves, aprons, and eye shields when handling concentrate.

Occupational

| Exposure Limits: | Hazardous Ingredient | LTEL 8hr ppm | TWA mg/m ³ | STEL ppm | mgm ³ |
|-------------------------|----------------------|-----------------|--------------------------|-------------|------------------|
|-------------------------|----------------------|-----------------|--------------------------|-------------|------------------|

In case of chlorine emission, the OEL for chlorine should be observed:

| | | | | | |
|-----------------|--|-----|-----|---|-----|
| Chlorine | | 0.5 | 1.5 | 1 | 2.9 |
|-----------------|--|-----|-----|---|-----|

9. PHYSICAL AND CHEMICAL PROPERTIES*

| | |
|-----------------------------|----------------------------------|
| Appearance: | Pale yellow liquid |
| Odour | Faintly chlorinous |
| pH: | 11.5 typical |
| Flash point °C: | Not applicable. |
| Relative Density: | 4% solution typical 1.059 (20°C) |
| Solubility in water: | Soluble |

10. STABILITY AND REACTIVITY

Stability: Product decomposes over time. Factors that increase the rate of decomposition are: increase in temperature, certain metallic impurities, and high initial concentration, fall in pH below 11 and exposure to light.

Conditions To Avoid: Contact with acids liberates toxic chlorine gas. Reacts with ammonia solutions and amines to form explosive compound. Most metals, high temperatures and direct sunlight should also be avoided.

Materials To Avoid: Corrosive to most metals, to painted surfaces and most organic materials.

Hazardous Decomposition Products: Chlorine gas.

11. TOXICOLOGICAL INFORMATION

Inhalation: Little hazard if stored correctly. Vapour containing chlorine irritates the nose, throat and lungs.

Skin Contact: Will cause irritation. Repeated or prolonged contact may cause dermatitis.

Eye Contact: Will cause severe irritation and inflammation.

Ingestion: Low oral toxicity. Will cause severe irritation to the gastrointestinal tract.

12. ECOLOGICAL INFORMATION

Ecological information: Toxic to aquatic organisms.

Environment: Product is rapidly broken down after use to common salt, oxygen and other harmless materials. Decomposes quickly in soil or water.

13. WASTE DISPOSAL

Disposal considerations: Dispose of according to Local Authority Regulations. Wash out empty containers with water before disposal.

14. TRANSPORT INFORMATION

Road/Rail Carriage: Not classified as hazardous.

Marine Pollutant: Not determined.

Customs Tariff 2828 90 00

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15. REGULATORY INFORMATION

| | | |
|-----------------------------|------------------------------|---|
| CHIP Classification: | Not classified as hazardous. | |
| Hazard Symbol: | - | |
| Risk Phrases: | R-31 | Contact with acids liberates toxic gas. |
| | R-34 | Causes burns |
| | R-36/38 | Irritating to eyes and skin. |
| | R-50 | Very toxic to aquatic organisms. |
| Safety Phrases: | S-2 | Keep out of reach of children. |
| | S-24/25 | Avoid contact with skin and eyes. |
| | S-50 | Do not mix with other chemicals. |

16. OTHER INFORMATION

This Data Sheet was prepared in accordance with Directive 91/155/EEC and Regulation 6 of the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 or as amended.

Occupational exposure standards were taken from the current edition of EH40 (UK HSE).

The information this sheet contains does not constitute on its own the users own assessment of workplace risk as required by other health and safety legislation e.g. HSW ACT, COSHH, MHSW Regulations or other.

PLEASE ENSURE THIS SAFETY DATA SHEET IS PASSED TO THE APPROPRIATE PERSONS IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

Issued: March 2006