



BASP CHEMICAL PRODUCTS LTD.

MATERIAL SAFETY DATA SHEET

STABLE BLEACHING POWDER – MSDS

Chemical Product and Company Identification

Product Name : Stable Bleaching Powder
Chemical Name : Calcium Hypochlorite
Chemical Formula : Ca (OCl)2.
Distributor : **BASP Chemical Products Limited**
Address : 105/106 Parshwa Chamber, 17/21 Issaji Street, Vadgadi,
Mumbai – 400 003, INDIA
Telephone : (+91)-22-23449557,66312930
Fax : (+91)-22-23443869
Email : info@baspchemical.com

Composition and information of Ingredients

| COMPOSITION | | |
|---|-----------|-------------|
| Name | CAS # | % by Weight |
| Calcium Hypochlorite | 7778-54-3 | 35 |
| Toxicological Data on Ingredients: Not Available | | |

Hazardous Identification

Potential Acute Health Effects: Hazardous in case of direct eye contact (irritant). Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion or inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS :Not available.
MUTAGENIC EFFECTS :Not available.
TERATOGENIC EFFECTS :Not available.
DEVELOPMENTAL TOXICITY :Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.



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First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact:

In case of skin contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used, washing clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:

If inhaled by mistake, get some fresh air immediately. If the person is not able to breath, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion:

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantity of material is swallowed, call a physician immediately

Fire and Explosion Data

| | |
|---|-----------------|
| Flammability of the Product | :Non-Flammable |
| Auto – Ignition Temperature | :Not Applicable |
| Flash Points | :Not Applicable |
| Flammable Limits | :Not Applicable |
| Products of Combustion | :Not Available |
| Fire Hazards in Presence of Various Substances | :Not Applicable |

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: **Not Available**.

Risks of explosion of the product in presence of static discharge :Not Available.

Fire Fighting Media and Instruction :Not Applicable.
Special Remarks on Explosion Hazards :Not Applicable.



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Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled in a convenient waste disposal container. Finish cleaning By spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill

Use a shovel to put the material into a convenient waste disposal container. Be careful that the product does not enter sewers or to confined spaces.

Handling and Storage

Precautions: Do not ingest. Do not breath dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or label. Avoid direct contact with skin and eyes.

Storage: Keep container tightly closed. Keep container in a cool and well-ventilated area. Keep it away from combustible material.

Exposure Control / Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved / certified respirator or equivalent gloves.

Personal Protection in case of large Spill: Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist before handling this product.

Exposure Limits: Consult local authorities for acceptable exposure limits.



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Physical and Chemical Properties

| | |
|--|---------------------------------------|
| Physical State and appearance: | Powder |
| Odor: | Chlorine Odor |
| Taste: | Cooling, Saline |
| Molecular Weight: | 142.986 g/mole |
| Color: | White |
| pH (1% soln/water): | 11.5 [5% Solution] |
| Boiling Point: | Not Applicable. |
| Melting Point: Decomposition temperature: | Decomposes above 100 Degree C |
| Critical Temperature: | Not available |
| Solubility in Water | 23.4 gms/ 100ml (Water @ 40 Degree C) |
| Vapor Pressure: | Not applicable. |
| Vapor Density: | Not applicable. |
| Volatility: | Not applicable. |
| Odor Threshold: | Not applicable. |
| Water / Oil Dist. Coeff.: | Not applicable. |
| Dispersion Properties: | See solubility in water.. |
| Solubility in solvents: | Not applicable. |

Stability and Reactivity Data

Stability: Normally unstable (losses available chlorine by 2% on heating @100Degree C.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, moisture.

Incompatibility with various substances: Acids, organic compounds, metal oxides, ammonia, urea and amines etc.

Corrosivity / Harzardous decomposition (Products): Nacent Oxygen, Chlorine, Calcium Chlorate.

Special Remarks on Reactivity: Not applicable.



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Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: It can cause skin irritation which is usually mild & solutions can cause chemical burns. Eyes: Causes moderate eye irritation. It may cause Salt Cataract, increased ocular pressure, and degeneration of the retina. Inhalation: It can cause respiratory tract and mucous membrane irritation which is usually mild. Ingestion: May be harmful if swallowed. May cause digestive tract irritation with nausea and vomiting, and thirst. May affect behavior/central nervous system (headache, somnolence, confusion, drowsiness, tremor, convulsions, coma), eyes (Mydriasis), cardiovascular system (bradycardia), respiration (respiratory stimulation, apnea, hyperventilation, pulmonary edema). Inhalation: Prolonged or repeated inhalation may affect the kidneys. Ingestion: Prolonged or repeated ingestion may affect metabolism (anorexia, metabolic acidosis) and urinary system (enlargement of kidneys), cause burns to the mouth & digestive tract.

Ecological Information

Ecotoxicity: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are non toxic.

Special Remarks on the Behaviour in Sewage: Improves sewage quality.

Disposal Consideration

Product Disposal:

Untreated SBP waste must never be discharged directly in to the sewers. Review National / Regional regulations.

Packaging Disposal:

Packing material does not get contaminated & can be disposed off by usual methods in accordance with National / Regional requirements.



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Transport Information

UN No. & Symbols: 2208, “Oxidizing Substance”

Road & Rail Transport :Not available.

GGVE / GGVS :Not applicable
IMDG :Not applicable
Air Transport :Not applicable
P Phrases :Not applicable
S Phrases :Not applicable

Regulatory Information

Health and safety information: Oxidising Material Class – 5.1

Other Classifications: Not Applicable

Protective Equipment:

Gloves, Lab coat, Dust respirator. Be sure to use an approved/certified respirator or equivalent.
Splash goggles.

Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall **BASP Chemical Products Limited** be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **BASP Chemical Products Limited** has been advised of the possibility of such damages.