

M/S BEE GEE ENTERPRISES

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT IDENTIFICATION

| | | |
|------------------|---|--|
| Chemical Name | : | Sodium Hypochlorite Solution UN.No.1791 |
| Synonym | : | Bleach Hypochlorous acid, Sodium Salt, Soda bleach & Sodium Oxychloride. |
| Chemical Formula | : | Naocl |
| Molecular weight | : | 74.44 |
| Product codes | : | 9416, P005 |

2. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---------------|---|--------------------------------|
| Appearance | : | Colourless to yellowish liquid |
| Odor | : | Chlorine like odor |
| Solubility | : | 100% in water |
| Density | : | 1.07 – 1.14 |
| Boiler point | : | 40C(104F) Decomposer slightly |
| Meeting point | : | -6C (21F) |

3. STABILITY AND REACTIVITY

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| Stability | : | Slowly decomposes on contact with air. Rate increases with the concentration and temperature. Exposure to sunlight acceleration decomposition. Sodium Hypochlorite becomes less toxic with age. |
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Hazardous Decomposition Product:

Emits toxic fumes of Chlorine when heated to decomposition. Sodium oxide at high temperatures.

Hazardous Polymerization : Will not occur.

Continuous to avoid : Light, heat and incompatibles.

4. HAZARDS IDENTIFICATION

Potential Health effects:

| | | |
|--------------|---|---|
| Inhalation | : | May cause irritation to the respiratory that (Nose and throat; symptoms may include coughing and sore throat) |
| Ingestion | : | May cause nausea and vomiting. |
| Skin contact | : | May irritate skin. |
| Eye contact | : | Contact may cause severe irritation and damage especially |

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Chronic Exposure : at higher concentration.
A constant irritant to the eyes and throat. Low potential for sensitization after exaggerated exposure to damage skin.

Aggravation of pre-existing conditions:
Persons with impaired respiratory function, or heart disorders (or disease) may be more susceptible to the effects of substance.

5. **FIRST AID MEASURES (Safety Precaution):**

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen, get medical attention immediately.

Ingestion : If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin contact : Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before re-use. Thoroughly clean shoes before re-use.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

6. **FIRE FIGHTING MEASURES:**

Fire : Not considered to be a fire hazard, substance releases oxygen when heated, which may increase the severity of an existing fire containers may rupture from pressure build-up.

Explosion : This solution is not considered to be an explosion hazard. Anhydrous sodium hypochlorite is very explosive.

Fire Extinguishing media: Use any means suitable for extinguishing surrounding fire. Use water spray to cool fire-exposed containers to dilute liquid and control vapour.

Special information : In the event of a fire, wear full protective clothing and NIOSH – approved self – contained breathing apparatus with full face shield operated in the pressure demand or other positive pressure mode.



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