



TAESUNG AUTOIND PRIVATE LIMITED

#165, Sidco Industrial Estate,
Thirumazhisai, Chennai -600 124, Tamil
Nadu, India.

Phone: 044-2681 0889, 2681 1433.

(An ISO 9001:2008 Certified Company)

MATERIAL SAFETY DATA SHEET

1. MATERIAL IDENTIFICATION	
Name:	ALKALI (AK - 001)
Supplied By:	TAESUNG AUTOIND PVT LTD., No.165, Sidco Industrial Estate, Thirumazhisai, Chennai – 600 124. 044-2681 0889, 2681 1433.
Telephone: (including emergencies) Fax:	044-26810889.

2. INFORMATION ON INGREDIENTS

Potentially Hazardous Component	Concentration (%)	CAS No.
(a) NaOH as NaOH	99.79%	1310-73-2
(b) KOH	Nil	
(c) Carbonate as Na ₂ CO ₃	0.177%	
(d) Chloride as NaCl	0.015%	
(e) Chlorate as NaClO ₃	Nil	
(f) Sulphate as Na ₂ SO ₄	0.002%	
(g) silicon as SiO ₂	0.008%	
(h) Iron as Fe	5 ppm	

(i) Copper as Cu	1 ppm	
(j) Manganese as Mn	0.5 ppm	

3. HAZARDS IDENTIFICATION
Corrosive causes severe burns.

4. FIRST AID MEASURES		
	Symptoms / Hazard	Action
Eyes:	Severe burns, pain, redness and watering.	Wash immediately with plenty of water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION.
Skin:	Severe burns, pain, redness.	Wash with water. SEEK MEDICAL ATTENTION if irritation persists or contact is severe.
Ingestion:	Stomach pain, nausea, burns to mouth and throat.	SEEK IMMEDIATE MEDICAL ATTENTION. Do not induce vomiting.
Inhalation:	Not normally applicable.	Remove to fresh air. SEEK MEDICAL ATTENTION if any ill effects are felt.

5. FIRE FIGHTING MEASURES	
Flammability:	Product is non-flammable.
Extinguish Using:	n/a
Do NOT Use:	n/a
Hazards present in case of fire:	Alkaline fumes may be evolved.
Precautions for fire-fighters:	Wear breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES	
Precautions:	Wear suitable protective clothing, gloves and eye/face protection.
Environmental:	If product enters drains, dilute copiously with water.
Treatment:	Absorb onto a neutral medium, such as sand, earth or granules and bag off for disposal. Dilute with water, if desired. Take care to avoid splashing. Neutralisation of well-diluted material may be carried out using dilute mineral acid or similar material.

7. HANDLING & STORAGE
- Avoid contact with eyes and skin. - Wear suitable protective clothing, gloves and eye/face protection. - Do not eat or drink when using the product.

- Wash hands after use.
- Store away from strong acids.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls:	Whether ventilation is required will depend on the process with which this material is used as an additive.		
Protection of Eyes:	Safety glasses, goggles or face mask.		
Protection of Skin:	Rubber or PVC gloves, impermeable apron, boots.		
Respiratory Protection:	Not normally required.		
Exposure Limits:*	Ingrédient	Concentration (%)	Limit
OES	Naoh(Sodium hydroxide)	99.97	2 mg/m ³ STEL
* MEL = Maximum Exposure Limit LTEL = long-term exposure limit (EH40) OES = Occupational Exposure STEL = short-term exposure limit Limit (EH40) SRL = Suppliers Recommended Limit			

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	White color
Odor	Essentially Odorless
pH	Concentrate: Approx 14
Solubility	Completely Soluble with water