

# MATERIAL SAFETY DATA SHEET

[As per Schedule 5 of the Gujarat Factories (Amended) Rules-1955 under rule 68-J, 2(2) & 2(3)]

SAFETY DATA SHEET					
<b>1. CHEMICAL IDENTITY</b>					
Chemical Name	SODA ASH (All Grade)		Chemical Classification	---	
Synonyms	Crystal Carbonate		Trade Name	---	
			C.A.S.No.	497-19-8	
Formula	Na <sub>2</sub> CO <sub>3</sub>		U.N.No.	---	
Regulated Identifications	Shipping Name		---		
	Codes/Label		---		
	Hazardous Waste I.D.No.		---		
	Hazchem No.		---		
Hazardous Ingredients		C.A.S. No.	Hazardous Ingredients		
1	---		2	---	
<b>2. PHYSICAL AND CHEMICAL DATA</b>					
BOILING Range / Point °C		Physical State		Appearance	
Decompose		Solid		Crystalline Powder	
Melting/Freezing Point °C		Vapour Pressure at 35°C		Odour	
---		---		Odourless	
Vapour Density (Air =1)		Solubility in water at 30°C		Others	
2.509		21.5 /100 parts at 20°C		---	
Specific Gravity (Water=1)		pH		---	
2.509 at 0°		11.6		---	
<b>3. FIRE AND EXPLOSION HAZARD DATA</b>					
Flammability		LEL		Flash Point °C	
No		Not Applicable %		Not Applicable (CC)	
TDG Flammability		UEL		Flash Point °C	
---		Not Applicable %		Not Applicable (CC)	
Autoignition Temperature °C		---		Combustible Liquid	
Explosion Sensitivity to Impact		---		Flammable Material	
Explosion Sensitivity to Static Electricity		---		Pyrophoric Material	
Hazardous Combustion Product		---		Explosive Material	
Hazardous Polymerisation		---		Oxidiser	
Others		---		Organic Peroxide	
				Corrosive Material	
<b>4. REACTIVE DATA</b>					
Chemical Stability		Stable			
Incompatibility with other Material		---			
Reactivity		Can react violently with P <sub>2</sub> C <sub>5</sub> Al, H <sub>2</sub> SO <sub>4</sub> , Fe, Li, 2, 4, 6, Tri-nitrotolylene			
Hazardous Reaction Products		Decompose at 400°C and evolve CO <sub>2</sub> and slowly absorb the moisture in air.			

5. HEALTH HAZARDS DATA				
Routes of Entry	Inhalation, Skin & Eyes			
Effects of Exposure/Symptoms	---			
Emergency Treatment	Remove cloth, Shoes, wash eye with plenty of water for 15 minutes, skin with soap and take doctor advice.			
TLV (ACGIH)		STEL		
---	ppm	---	mg/m <sup>3</sup>	---
Permissible Exposure Limit		Odour Threshold		
---	ppm	---	mg/m <sup>3</sup>	---
LD <sub>50</sub> (Oral Rat)	117 mg/Kg			
NFPA Hazard	Health	Flammability	Reactivity	Special
Signals	---	---	---	---
6. PREVENTIVE MEASURES				
Personal Protective Equipment	Rubber / PVC gloves, Dust Mask, Safety Goggles, Gum Boot Cover All other.			
Handling & Storage Precautions	Keep containers closed to store, wear rubber gloves, safety goggles & cover all. Keep containers in cool, dry and well ventilated place.			
7. EMERGENCY / FIRST AID MEASURES				
FIRE	Fire Extinguishing Media	Not Flammable		
	Special Procedure	Cool		
	Unusual Hazardous	---		
EXPOSURE	First Aid Measures	Remove cloth, Shoes, wash eye & skin with plenty of water, take Doctor's advice.		
	Antidotes / Dosages	Symptomatic treatment, no specific antidote.		
SPILLS	Steps to be Taken	Sweep it, dilute with sufficient water and neutralise with 6N- HCl		
	Waste Disposal Method	Drain in to sewer with abundant water.		
8. ADDITIONAL INFORMATION / REFERENCES				
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9. MANUFACTURERS / SUPPLIERS DATA				
Name of Firm	Tata Chemicals Ltd.	Contact Person in Emergency	Mr.C.P.Doshi	
Mailing Address	Mithapur - 361345	Local Bodies Involved	--	
Telephone / Telex Nos.	(02892) 223792 / 223793 Ext.5247 (O) / 6247 (R)	Standard Packing	--	
Telegraphic Address	--	Trem Card Details / Ref.	--	
10. DISCLAIMER				