

SECTION 1: Product and Company Identification				
Name	SODIUM HYPOCHLORITE SOLUTION			
Company	MADAN CHEMICALS PVT.LTD10&11, Industrial Area Road No.4,			
	Sikandrabad Distt bulandshahar, UP-203205			
Synonyms	Hypochlorite,Liquid Chlorine Solution			
Emergency Contact	Phone no.	+91 8368392953		
Details	E-mail	Hq@thesuntek.com		

SECTION 2: Hazards Identification

Emergency Overview



May be corrosive to metals. Causes severe skin burns and eye damage. May cause respiratory irritation. Very toxic to aquatic life.

Potential Hea	alth Effects			
Inhalation	Cause respiratory irritation			
Skin	Skin irritation			
Eyes	Eye irritation, Eye damages			
Ingestion	Cause respiratory irritations as gas form			
Disposal	Dispose of contents/container to an approved waste disposal plant			

SECTION 3: Composition/information on ingredients

Component	CAS-No.	EC-No.	Weight %
Sodium Hypochlorite Bleach	7681-52-9	231-668-3	12.5% V/V
Sodium Hydroxide	1310-73-2	215-185-5	4.0%

SECTION 4: First Aid Measures

Inhalation	Move person to fresh air. If person is not breathing, call a doctor, then give artificial respiration, preferably mouth-to-mouth if possible.		
Skin	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.		
Eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a doctor for treatment advice.		
Ingestion	Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by doctor. Do not give anything by mouth to an unconscious person.		
Most important symptoms/effects	Not available.		
Notes to Physician	Probable mucosal damage may contraindicate the use of gastric lavage.		

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide.		
Flash Point	Not applicable.	Explosion Limits	
Auto ignition Temperature	Not applicable.	Upper	No data available
		Lower	No data available
Hazardous Combustion Products	Not pertinent.		

Specific Hazard from the Chem	ds Arising ical	May decompose, generating irritating chlorine gas. Do not use Mono Ammonium Phosphate (MAP) fire extinguishers. Such use may cause explosion with release of toxic gases.				
NFPA: Health: 3 Flamma		ability: 0	Instabi	ity: 1	Specia	l hazards: OX
SECTION 6	: Accidental	Release M	easures			
Personal Precautions		Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Absorb spillage to prevent material damage. Local authorities should be advised if significant spillages cannot be contained.				
Environmenta	l precautions		Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.			
Methods and materials for containment and cleaning up		Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Never return spills in original containers for re-use.				
SECTION 7	: Handling ai	nd Storage				
Handling				ce with label etc. or with		
Storage	Do not freeze. Store in a cool, shaded outdoor area. Inside storage should be in a cool, dry, well-ventilated area. To maintain hypochlorite strength, do not store in direct or heated indoor areas. Keep in original vented container. Keep container closed when not in use. Do not store adjacent to chemicals that may react if spillage occurs. If closed containers become heated, vent to release decomposition products (mainly oxygen under normal decomposition).					
	: Exposure C	ontrois/Pe	rsonai Prot	ection		
Exposure Gui	delines:			OCHA DE	=1	
Component Sodium Hypo	a blarita			OSHA PE Not establis	-	ACGIH TWA Not established
Chlorine*	ocmonte					
Chlorine* O.5 ppm O.5 ppm O.5 ppm O.5 ppm Chlorine is unlikely to be present as a decomposition product, but may be present in incidents of accidental mixing with other chemicals.						
Engineering Measures		Local exhaust ventilation to maintain levels below STEL (Short Term Exposure Limit) of 1 ppm as chlorine.				
	ective Equipme					
Eye/face Pro						ent eye contact.
		resistant glov Nitrile Gloves chemical resi occur. Rinse clothing pror	Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Butyl rubber, Neoprene, or Nitrile Gloves should be worn when handling this material. Wear chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean protective equipment before reuse.			
Respiratory i retestion		Avoid breathing vapour or mist. When airborne exposure limits are exceeded (see below), use approved respiratory protection equipment appropriate to the material and/or its components. Full face piece equipment is recommended and, if used, replaces need for face shield				

		exposure limit may be	. For emergency and other co significantly exceeded, use a -contained breathing appara	an approved full face
SECTION 9: Physic	al anc	l Chemical Prope	rties	
Appearance	Gre	enish yellow liquid	Water solubility	Mixes infinitely with water.
Odour	Pun	gent	Auto-ignition temperature	No information available.
рН		2 – 11.4 (1% tion)	Viscosity	1.75 - 2.50 centipoises (varies with temperature)
Melting point/freezing Point	- 16	°C	Flammability (solid, gas)	Not flammable.
Initial boiling point and boiling range		ly decomposes above C. 12.1 mm Hg @ 20 0C	Decomposition temperature Relative density	Decomposes @ 110°C
Vapour pressure	2.61	(air=1)	Oxidizing properties	1.2 g/mL @ 20 0C
Vapour density				
SECTION 10: Stabi	lity an	d Reactivity	·	
Reactive Hazard		te of decomposition in hacidic solutions.	creases with heat. May devel	lop chlorine if mixed
Stability	Un	stable at temperatures	above 40°C, in sunlight, and	l in contact with acid.
Conditions to Avoid	Hig	jh heat, ultraviolet ligh	nt.	
Incompatible Materials		xidizing agents, acids, nitrogen containing organics, metals, iron, copper, ckel, cobalt, organic materials, and ammonia.		
Hazardous Decomposition Products	tin,	hlorine (by reaction with acids), oxygen (by reaction with nickel, copper, n, manganese, iron), sodium chloride, sodium chlorate, with increased mperature.		
Hazardous Polymerization		ll not occur.		
Hazardous Reactions		information availab	le.	
SECTION 11: Toxic	ologic	cal Information		
Acute toxicity Carcinogenicity	Acute toxicity Oral Toxicity (LD50): 8.91 g/kg (Rat)			d ACGIH)
SECTION 12: Ecological Information				
Eco toxicity Sodium hypochlorite is low in toxicity to avian wildlife, but it is highly toxic to freshwater fish and invertebrates.				
				oobromite
	SECTION 13: Disposal Considerations			
	ods D	Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a local regulations.		
Product	d o	Do not contaminate food or feed by storage, disposal, or cleaning of equipment. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer.		
Contaminated packaging				
SECTION 14: Trans	port I	nformation		
UN number		1791 Hypochlorite Solutions (Sodium Hypochlorite) 8		
UN proper shipping na Transport hazard class				

Packaging group	III
Environmental hazards	Yes

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation.

SECTION 16: Other Information

Disclaimer The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.