

Material Safety Data Sheet					
IDENTITY TWICE AS FRESH® DRY CHLORINE BLEACH					
Section I					
Manufacturer's Name Scientific Packaging Corp		Emergency Telephone Number (973) 676-3107			
Address 2-8 Central Avenue P.O. Box 1016 East Orange, NJ 07018-1016		Telephone Number for Information (973) 676-3107			
		Date Prepared January 21, 2003			
Section II – Hazardous Ingredients/Identity Information					
CAS #	Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
497-19-8	Sodium Carbonate	Not Established	10 mg/m ³	Not Available	-
6834-92-0	Sodium Metasilicate	Not Established	Not Established	Not Available	-
51580-86-0	Sodium Dichloro-s-Triazinetrionedi-hydrate	Not Established	Not Established	Not Available	-
Section III – Physical/Chemical Characteristics					
Boiling Point	Not applicable	Specific Gravity (H ₂ O = 1)		Not applicable	
Vapor Pressure (mm Hg)	Not available	Melting Point		Not applicable	
Vapor Density (Air = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)		Not applicable	
Density (lb/cu.ft)	50-60	pH (1% solution)		11-12	
Solubility in Water complete at recommended dosage					
Appearance and Odor white granular powder, lemon fragrance					
Section VI – Fire and Explosion Data					
Boiling Point (Method Used) Not applicable		Flammable Limits Not applicable		LEL Not applicable	UEL Not applicable
Extinguishing Media Use water spray, dry chemical, foam or carbon dioxide, as suitable for surrounding fire.					
Special Fire Fighting Procedures Wear self-contained breathing apparatus and protective clothing appropriate for fighting a typical chemical fire.					
Unusual Fire and Explosion Hazards Wet material may be corrosive and may release chlorine gas.					
Section V – Reactivity Data					
Stability Unstable Stable X		Conditions to Avoid Keep product away from heat and moisture. Moistened or wet material may release chlorine gas.			
Incompatibility (Materials to Avoid)		Strong acids and alkalis, organics			
Hazardous Decomposition or Byproducts		Wet material may be corrosive, and may release chlorine gas			
Hazardous Polymerization May Occur Will Not Occur X		Conditions to Avoid Not Applicable			
Section VI – Health Hazard Data					
Route(s) of Entry		Inhalation Yes	Skin/Eye Yes	Ingestion Yes	

Health Hazard (<i>Acute and Chronic</i>) Acute – Inhalation may cause irritation to nose, throat and nasal passages. Ingestion may cause severe irritation to mouth, throat and stomach, and nausea. Contact with skin may cause reddening and irritation. Contact with eyes may cause severe irritation and irreversible damage. Chronic – Prolonged skin or eye contact may cause severe irritation and irreversible damage.	
Carcinogenicity	NTP Not Listed IRAC Monographs Not Listed OSHA Regulated Not Listed
Signs and Symptoms of Exposure Irritation to respiratory tract and system. Irritation to skin and eyes. Nausea.	
Medical Conditions Generally Aggravated by Exposure None known	
Emergency and First Aid Procedures Inhalation: Remove source of contamination or move victim to fresh air. Obtain medical attention if irritation continued. Skin contact: Remove contaminated clothing and footwear for cleaning. Wash contaminated skin gently and thoroughly with water for 20 minutes or until chemical is removed. Obtain medical advice if irritation persisted. Eye contact: Immediately flush contaminated eye(s) with lukewarm gently flowing water while holding eyelid open, for 20 minutes or until chemical is removed. Obtain medical attention quickly. Ingestion: Give victim sips of water or milk. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention immediately.	
Section VII – Precautions for Safe Handling and Use	
Steps to Be Taken in Case Material is Released or Spilled Stop spill at source and contain material. Do not wet spilled material. Collect dry material in plastic bag for disposal in accordance with local, state and federal regulations. For wetted material, see Waste Disposal Method.	
Waste Disposal Method Small amounts of material may be dissolved in water and flushed to appropriate (e.g. sanitary) sewer. Dispose of large amounts of properly contained contaminated material in accordance with local, state and federal regulations.	
Precaution to Be Taken in Handling and Storing Keep product in cool and dry conditions. Keep product away from eyes and skin contact, and clothing.	
Other Precautions Keep product away from heat, and contact with moisture, organics, strong acids and alkalis.	
Section VIII – Control Measures	
Respiratory Protection None required under normal use conditions.	
Ventilation	Local Exhaust – None required with normal consumer use. Mechanical (<i>General</i>) – Where necessary – e.g. industrial setting, use appropriate ventilation equipment/system to protect against dust during handling. Special – None Other – None
Protective Gloves None required with normal consumer use. Avoid product contact with skin.	Eye Protection None required with normal consumer use. Avoid dust generation with product when handling. Avoid product contact with eyes.
Other Protective Clothing or Equipment None required with normal consumer use. Personal protective equipment may be required under heavy industrial dust conditions – see Work/Hygiene Practices.	
Work/Hygiene Practices – Observe general industrial hygiene practices –e.g. hand/skin washing and clothing change. Avoid generating and breathing dust when handling product. Avoid skin and eye contact with product. For protection in dust generating and/or skin and eye contact conditions, wear goggles, NIOSH approved respirator with organic vapor acid gas cartridge and dust/fume/mist filter, rubber/latex gloves and/or disposable suits.	

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