

# MATERIAL SAFETY DATA SHEET FROM STEARNS PACKAGING CORPORATION

## SECTION I—PRODUCT/MANUFACTURER'S IDENTITY

### IDENTITY (As Used On Label and List):

Hytron Free

SYNONYMS: ST-360, ST-365

FORMULA ID NUMBER: DP16

EPA REG #: None

NSF CERTIFIED: None

COMPANY: STEARNS PACKAGING CORPORATION  
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HAZARD RATING		
0	Flammability	4 = Extreme
1	Health	3 = High
0	Reactivity	2 = Moderate
None	Special Hazard	1 = Slight
		0 = Insignificant

For Transportation Emergency Involving Hazardous Materials Contact: **CHEM-TEL 1 (800) 255-3924**

### Shipping Information:

DOT SHIPPING NAME: Compound, cleaning, NOI, powder. Item 48581, Class 55

DOT SHIPPING NUMBER: None

HAZARD LABEL: None

HAZARD CLASS: None

## SECTION II—HAZARDOUS INGREDIENTS OR IDENTITY INFORMATION

### HAZARDOUS CHEMICAL IDENTITY &

<u>CAS#</u>	<u>HAZARD</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>	<u>% (OPTIONAL)</u>
▶ Sodium carbonate 497-19-8	Irritant				20 - 35
▶ Sodium citrate 68-04-2	Irritant				9 - 15
▶ Sodium metasilicate 6834-92-0	Corrosive				5 - 10
▶ Silicic acid, sodium salt 1344-09-8	Irritant				3 - 8

SARA SECTION 313 TITLE III NOTIFICATION REQUIRED: No; CHEMICAL IN PRODUCT: None; CAS#: N/A; WEIGHT % OF CHEM: N/A

## SECTION III—PHYSICAL/CHEMICAL CHARACTERISTICS

<b>BOILING POINT:</b>	Not Determined	<b>VAPOR PRESSURE (mm Hg):</b>	Not Determined
<b>SPECIFIC GRAVITY (WATER=1):</b>	Not Applicable	<b>VAPOR DENSITY (AIR=1):</b>	Not Determined
<b>MELTING POINT:</b>	Not Applicable	<b>EVAPORATION RATE:</b>	Not Determined
<b>SOLUBILITY IN WATER:</b>	Complete	<b>pH (CONCENTRATE):</b>	Not Determined
<b>APPEARANCE AND ODOR:</b>	White crystals and granules, No fragrance	<b>pH (1% SOLUTION):</b>	10.0

## SECTION IV—FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (METHOD USED):</b>	Non-combustible, >200° F
<b>EXTINGUISHING MEDIA:</b>	Not Applicable
<b>FLAMMABLE LIMITS:</b>	LEL: Not Applicable      UEL: Not Applicable
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Use full protective clothing and self-contained breathing apparatus.
<b>FIRE &amp; EXPLOSION HAZARDS:</b>	None

## SECTION V—REACTIVITY DATA

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	Freezing and extremes of heat.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	Avoid contact with strong oxidizers. May react with ammonia, urea, or similar nitrogen-containing compounds, resulting in evolution of ammonia gas.
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b>	Carbon dioxide and carbon monoxide, and hydrogen may form when heated to decomposition.
<b>CONDITIONS TO AVOID:</b>	Heat, flame, ignition sources, dusting, and incompatible materials.

## SECTION VI—HEALTH HAZARD DATA/FIRST AID PROCEDURES

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Strongly alkaline, may cause burning to eyes and respiratory passages. Possible irritant to skin over prolonged periods of exposure.

**CARCINOGENICITY:** NTP: No  
IARC Monographs: No  
OSHA Regulated: No

**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Irritation of exposed tissues, especially eyes, skin, throat, nasal cavities and other mucous membranes.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** No data available.

### EMERGENCY AND FIRST AID PROCEDURES:

**Eyes:** If contact with eyes occurs, flush with plenty of cool water for 15 minutes. If irritation persists, consult a physician.

**Skin:** May be irritating to skin. If contact occurs, flush with water and wear gloves in the future to minimize exposure. Wash hands thoroughly after handling. Discontinue use if irritation persists and consult a physician.

**Inhalation:** Remove from exposure. Obtain medical attention immediately.

**Ingestion:** May be harmful if swallowed. Large oral dosages may produce gastrointestinal disturbances. If ingested, drink large amounts of water or milk. **DO NOT** induce vomiting. Get medical attention immediately. Avoid contamination of foods.

**Note to Physician:** Strongly alkaline, may remove sebaceous oils leaving skin unprotected and may cause chemical burns. Accessible exposed tissue should be flushed thoroughly with water, and any corneal burns warrant consultation of an ophthalmologist. Ingestion may result in nausea, vomiting and burns, especially of the esophagus. Attempts to neutralize ingested material with acids may cause excess heat and gas production, which can increase the risk of perforation. Dilution may so likewise, but when the dry material is ingested, adherence of the particles to the esophageal mucosa may assure perforation and/or stricture formation may occur without oropharyngeal burns. Accordingly, most authorities recommend limited esophageal stenosis. Prevention of the latter is controversial, though most authorities favor early corticosteroid and/or prophylactic dilation therapy..

## SECTION VII—PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Sweep up for salvage or disposal. Wash down residue with water. Take care to avoid contact with large amounts of dust.

**WASTE DISPOSAL METHOD:** Waste disposal must be done in accordance with all local, city or municipality, county, state, and federal regulations. Consult your state department of natural resources or the EPA for specific questions not answerable through other sources. Wastewater should never enter a fresh water body without treatment.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Wear all recommended safety gear. Do not mix with other chemicals or cleaning agents. Avoid contact with dust.

**OTHER PRECAUTIONS:** Always keep product out of the reach of children.

## SECTION VIII—OTHER REGULATORY INFORMATION

California Safe Drinking Water and Toxic Enforcement Act of 1986 – No chemicals listed by California are present at a level that poses a significant risk of causing cancer or reproductive toxicity.

## SECTION IX—CONTROL MEASURES

**RESPIRATORY PROTECTION:** In general, respirators are not needed if the product is used in a well-ventilated area. However, a respirator is recommended when working with products where dusts and mists cause irritation of the eyes and/or mucous membranes.

**VENTILATION:** Local Exhaust: Recommended for control of dusts.  
Mechanical (General): Recommended for control of dusts.

**SKIN PROTECTION:** Neoprene, rubber, or other chemical resistant gloves. Wear protective clothing to prevent repeated or prolonged contact.

**EYE PROTECTION:** Splash goggles, or safety glasses if splashing is not a concern.

**WORK/HYGIENIC PRACTICES:** As good hygiene dictates.

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