

MATERIAL SAFETY DATA SHEET from STEARNS PACKAGING CORPORATION

SECTION I—PRODUCT/MANUFACTURER'S IDENTITY

IDENTITY (As Used On Label and List):

Gel Liquid Dish Automatic Dishwashing Detergent

SYNONYMS: ST-40

FORMULA ID NUMBER: DL-60

EPA REG #: None

USDA ACCEPTANCE DATE/CATEGORY CODE: None

COMPANY: STEARNS PACKAGING CORPORATION
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HAZARD RATING		
0	Flammability	4 = Extreme
2	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: Hypochlorite solution containing not more
than 7% available chlorine by weight,
ORM-D, NA 1791, Item 46380, Sub 1, Class 55
DOT SHIPPING NUMBER: UN1791
HAZARD LABEL: None
HAZARD CLASS: ORM-D

SECTION II—HAZARDOUS INGREDIENTS OR IDENTITY INFORMATION

HAZARDOUS CHEMICAL IDENTITY &

CAS#	HAZARD	OSHA PEL	ACGIH TLV	OTHER LIMITS	% (OPTIONAL)
▶ Sodium hypochlorite solution 7681-52-9	Corrosive Oxidizer				
▶ Aluminum oxide N/A	Irritant Nuisance Dust				
▶ Sodium silicate 1344-09-8	Corrosive				

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

BOILING POINT:	N/A	VAPOR PRESSURE (mm Hg):	N/A
SPECIFIC GRAVITY (WATER=1):	1.202	VAPOR DENSITY (AIR=1):	N/A
MELTING POINT:	Not Determined	EVAPORATION RATE:	< 1 (Butyl Acetate=1)
SOLUBILITY IN WATER:	Complete	pH (CONCENTRATE):	10.5
APPEARANCE AND ODOR:	White gel Chlorine odor	pH (1% SOLUTION):	Not Determined

SECTION IV—FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED):	Non-combustible, >200°F
EXTINGUISHING MEDIA:	Not Applicable
FLAMMABLE LIMITS:	LEL: Not Applicable UEL: Not Applicable
SPECIAL FIRE FIGHTING PROCEDURES:	Use full protective clothing and self-contained breathing apparatus.
FIRE & EXPLOSION HAZARDS:	Oxygen gas may be liberated and support combustion.

SECTION V—REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY (MATERIALS TO AVOID):	Exposure to light, excess alkalinity, amines, ammonia acetate, ammonia oxalate, most organics, acids, mild steel. Traces of catalytic metals (nickel, copper, iron, cobalt, magnesium).
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	If heated to excessive temperatures (over 510°F) will release fumes of sulfur dioxide and sulfur trioxide.
CONDITIONS TO AVOID:	Unstable if overheated or exposed to acids.
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION VI—HEALTH HAZARD DATA/FIRST AID PROCEDURES

HEALTH HAZARDS (ACUTE AND CHRONIC): 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. 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. If ingested, drink large amounts of water or milk. DO NOT induce vomiting. Get medical attention immediately. Avoid contamination of foods.
Note to Physician:	No specific antidote. Use supportive care. Treatment should be based on judgement of the physician in response to the reactions of the patient.

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. Take care to avoid contact with large amounts of dust. Material is biodegradable and, after gross collection, may be flushed with large amounts of water to a sanitary sewer.

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: Avoid mixing this product with any acids or ammonia. Always keep product out of the reach of children.

SECTION VIII—OTHER REGULATORY INFORMATION

SECTION IX—CONTROL MEASURES

RESPIRATORY PROTECTION:	In general, respirators are not needed if the product is used in a well-ventilated area.
VENTILATION: Local Exhaust:	To keep possible chlorine gas below TLV.
Mechanical (General):	To keep possible chlorine gas below TLV.
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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