



# MATERIAL SAFETY DATA SHEET

## I. PRODUCT AND COMPANY INFORMATION

**TRADE NAME:** Splash Force  
**CHEMICAL FAMILY:** Laundry Bleach

**HCS (Division of Washing Systems, LLC)**  
5579 Spellmire Dr.  
Cincinnati, OH 45246  
513-870-4830  
**EMERGENCY CONTACT: CHEMTREC (800-424-9300)**

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Version: 2

## II. HAZARDOUS INGREDIENTS

The materials listed in this data sheet are classified as **HAZARDOUS** in accordance with the definition set forth by the Occupational Safety and Health Administration in 29 CFR 1910.1200.

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>EXPOSURE LIMIT</u>
Sodium Hypochlorite	Chlorine Bleach	UNK
Sodium Hydroxide	Caustic Soda	2 mg/m <sup>3</sup> PEL 2 mg/m <sup>3</sup> TLV

## III. PHYSICAL/CHEMICAL CHARACTERISTICS

<u>APPEARANCE &amp; ODOR</u>	<u>VAPOR DENSITY (AIR=1)</u>	<u>BOILING POINT</u>	<u>SOLUBILITY IN WATER</u>
Clear Light Yellow Liquid, Chlorine Odr	N/A	212 <sup>0</sup> F	Soluble 100%
<u>SPECIFIC GRAVITY</u>	<u>EVAPORATION RATE (N-Butyl Acetate=1)</u>	<u>VAPOR PRESSURE (mmHg)</u>	<u>MELTING POINT</u>
1.20	>1	20.4	N/A

## IV. FIRE AND EXPLOSION DATA

<u>FLASHPOINT</u>	<u>FLAMMABLE LIMITS</u>		<u>AUTO IGNITION TEMP</u>
	<u>(lower limit)</u>	<u>(upper limit)</u>	
N/A	N/A	N/A	N/A

EXTINGUISHING AGENTS: CO<sub>2</sub>, Dry Chemicals, Water

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full facepiece and protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: High Temperatures will release chlorine gas.

## V. REACTIVITY DATA

<u>STABILITY</u>	<u>HAZARDOUS DECOMPOSITION PRODUCTS</u>	<u>MATERIALS TO AVOID</u>	<u>HAZARDOUS POLYMERIZATION</u>
Stable	High temperature will release chlorine gas which is irritating and/or toxic.	Concentrated mineral acids, heat, soft metals or nitrogen containing chemicals like ammonia.	Will not occur.

## VI. HEALTH HAZARD DATA

**SKIN:** ACUTE Corrosive to skin.  
CHRONIC Skin Corrosion..

**EYES:** ACUTE Corrosive to eyes.  
CHRONIC Eye Corrosion

**INHALATION:** ACUTE Mists are severe respiratory irritants.  
CHRONIC Irritation of the upper respiratory tract.

**INGESTION:** ACUTE Causes burns to mouth and gastric irritation.  
CHRONIC Can be fatal.

### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Dermatitis or sensitive skin; may aggravate respiratory disease or conditions.

### CARCINOGENICITY

OSHA: NO

IARC MONOGRAPHS: NO

NTP: NO

### EMERGENCY AND FIRST AID PROCEDURES

**SKIN:** Immediately flush area with plenty of cool water for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician.

**EYES:** Immediately flush thoroughly with cool water under low pressure for at least 15 minutes, holding lids apart and moving eye to ensure flushing of the entire surface. Call a physician.

**INHALATION:** Remove from contaminated atmosphere. If breathing stops, administer artificial respiration. Get medical attention immediately.

**INGESTION:** Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** If conscious, give large quantities of water. If vomiting occurs, keep airway clear. Seek medical attention immediately.

## VII. SPILL OR LEAK PROCEDURES

Flush small amounts to drain after neutralization with sodium bisulfate or thiosulfate. Collect and return large amounts to an appropriate container. Leaks should be stopped and spills contained. Neutralize residue with sodium thiosulfate for chlorine and dilute mineral acids for alkalinity.

### SPECIAL PRECAUTIONS

Keep container closed. Keep from freezing. Keep away from acids. If frozen, thaw and mix to make it usable. Neutralize residue with sodium thiosulfate for chlorine, and dilute mineral acids for alkalinity. Never return unused product to container.

## VIII. CONTROL MEASURES

<u>RESPIRATORY PROTECTION</u>	<u>EYE PROTECTION</u>	<u>PROTECTIVE GLOVES</u>	<u>OTHER PROTECTIVE EQUIPMENT</u>
NIOSH alkaline cartridges with charcoal filter if exposure limits are exceeded.	Face shield, side shield safety glasses	Alkali resistant, Rubber, or PVC	Eye wash and safety shower nearby
	<u>VENTILATION:</u> <u>Mechanical</u>	<u>Local</u>	<u>Special</u>
	Normal Air Dilution	None	None

COC = Cleveland Open Cup

N/A = Not Applicable

NIOSH = National Institute of Occupational Safety & Health

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit

UNK = Unknown at This Time

### SPLASH FORCE