

SAFETY DATA SHEET

SECTION I IDENTIFICATION

PRODUCT NAME: **FLASH-AF** Pg. 1/5
PRODUCT CODE: Fluid XXXX P/N: XXXX Version 2
CHEMICAL FAMILY: SODIUM HYPOCHLORITE 12/5/2018
Meets GHS requirements

MANUFACTURERS NAME: CUL-MAC INDUSTRIES
ADDRESS: 3720 S. VENOY RD.
WAYNE, MI 48184
PHONE: (800) 626-5089
EMERGENCY PHONE (866) 214-4235 (3E COMPANY)

SECTION II HAZARD IDENTIFICATION



SIGNAL WORD:

DANGER:

HAZARD CLASSIFICATION:

SKIN CORROSION: Sub-category 1C
EYE DAMAGE: Category 1
ACUTE AQUATIC TOXICITY: Category 1

HAZARD STATEMENTS:

H290: Harmful if Swallowed
H301: Toxic if Swallowed
H314: Causes Severe Skin Burns and Eye Damage
H333: May be Harmful if Inhaled
H400: Very Toxic to Aquatic Life

PRECAUTIONARY STATEMENTS:

P234: Keep in Original Container
P260: Do Not Breathe Dusts or Mists
P264: Wash Hands Thoroughly After Handling
P270: Do Not Eat, Drink or Smoke When Using This Product
P273: Avoid Release to the Environment
P280: Wear Protective Gloves/Eye Protection/Face Protection

RESPONSE STATEMENTS:

P390: Absorb Spillage to Prevent Material Damage
P301+P310: IF SWALLOWED: Immediately Call a POISON CENTER or Doctor.
P301+P330+P331: IF SWALLOWED: Rinse Mouth. Do NOT Induce Vomiting
P321: See Specific Treatment on this Label
P303+P361+P353: IF ON SKIN (or hair): Remove Immediately all Contaminated Clothing.
Rinse skin with Water.
P363: Wash Contaminated Clothing Before Reuse
P305+P351+P338: IF IN EYES: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, if Present and Easy to do so. Continue Rinsing.
P304+P340: IF INHALED: Remove Victim to Fresh Air and Keep at Rest in a Position Comfortable for Breathing
P391: Collect Spillage

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Pg. 2/5
Version 2
12/5/2018

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SECTION II HAZARD IDENTIFICATION CONTINUED

STORAGE STATEMENTS: **P406:** Store in a Corrosive Resistant Container with a Resistant Inner Liner
P405: Store Locked Up

DISPOSAL STATEMENTS: **P501:** Dispose of Contents/Container in Accordance with Local/State/Federal/International Regulations

CARCINOGENICITY: Not listed by OSHA, IARC, OR NTP

SECTION III COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL:	% by wt.	CAS #	OSHA PEL	ACGIH TLV
Sodium Hypochlorite	9	7681-52-9	not available	not available
Surfactants	< 1	Trade Secret		

SECTION IV FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing; wash under shower with soap and water for 15 minutes. Seek medical attention if irritation occurs.

EYE CONTACT: Flush immediately with gently running water for a minimum of 15 minutes. Seek medical attention immediately.

INGESTION: **DO NOT INDUCE VOMITING.** If person is conscious, give 2 or more glasses of water. If unconscious, never give anything by mouth. **DO NOT** use baking soda or acidic antidotes. See a physician immediately

INHALATION: Remove to fresh air, restore or assist breathing, obtain medical attention if necessary

SECTION V FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Not combustible, however, if material is involved in a fire: Use fine water spray, normal foam, carbon dioxide or dry chemical powder

EMERGENCY ACTION CODE: 2X

SPECIFIC HAZARDS: Non-combustible material

SPECIAL PRECAUTIONS: Decomposes on heating emitting toxic fumes, including those of chlorine. Firefighters must wear self contained breathing apparatus and suitable protective clothing if there is risk of exposure to products of decomposition.

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Pg. 3/5
Version 2
12/5/2018

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SECTION VI ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Do not allow spilled material to enter sewers or streams. Completely contain spilled material with dikes, sandbags, etc. and prevent runoff into the ground or surface waters or sewers. Flush spills with water to dilute bleach as much as possible. Flush residual neutralized waste to the drain with large amount of water. Avoid heat and contamination with acid. Do not use combustible materials such as sawdust to absorb hypochlorite.

SECTION VII HANDLING & STORAGE

SPECIAL PRECAUTIONS: Handle in accordance with good industrial hygiene and safety precautions

STORAGE: Store in vented closed, clean, non-corrosive containers in a cool dry location, away from direct sunlight and not adjacent to chemicals which may react with bleach if spillage occurs. If closed containers become heated, the containers should be vented to release decomposition products (mainly oxygen under normal conditions)
For small volumes: Store in plastic bottles or jugs. May be stored in amber glass bottles
For large volumes: Store in HDPE plastic storage tanks.

SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION



VENTILATION: No special ventilation required unless sanitizer is exposed to decomposition condition; i.e., spills or acidic conditions.

RESPIRATORY PROTECTION: NIOSH approved supplied air respirator when exposure limits are exceeded

GLOVES: Butyl and nitrile rubbers are recommended.

EYE PROTECTION: Face shield and chemical splash goggles when transferring is taking place

CLOTHING AND FOOTWEAR PROTECTIVE EQUIPMENT: Wear chemical resistant pants and jackets, preferably butyl or nitrile rubber. Wear chemical resistant footwear.

SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	decomposes	pH:	12.5 - 13.5
FREEZING POINT:	15° F	SPECIFIC GRAVITY:	1.162
VAPOR PRESSURE:	variable water	PERCENT VOLATILE:	98
VAPOR DENSITY (AIR = 1):	N/A	APPEARANCE:	clear yellow solution
SOLUBILITY IN WATER:	Complete	ODOR:	characteristic
EVAPORATION RATE (BUTYL ACETATE =1)	> 1		

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Pg. 4/5
Version 2
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SECTION X STABILITY AND REACTIVITY DATA

STABILITY: Unstable. Stability decreases with concentration, heat, light exposure, and decrease in pH and contamination with heavy metals

HAZARDOUS POLYMERIZATION: Will not occur.

**INCOMPATIBILITY:
(CONDITIONS TO AVOID)** Avoid contamination with heavy metals, such as nickel, copper, cobalt, and iron; reducing agents, ether, ammonia, and acids as these materials would hasten decomposition

HAZARDOUS DECOMPOSITION: Hypochlorous acid (HOCl), chlorine, hydrochloric acid. Other decomposition products, which depend upon pH, temperature and time, are sodium chloride, sodium chlorate and oxygen.

SECTION XI TOXICOLOGICAL INFORMATION

SKIN ABSORPTION: Irritating effects increase with strength of solution and time exposure. Liquid contact can cause local irritation and burns. Sodium hypochlorite vapors can cause irritation, burning and blisters

INHALATION: Exposure to humans to 0.5 ppm for 8 hours and 1 ppm for 4 hours caused transient decrease in pulmonary capacity, as measured by pulmonary function tests

EYES: Contact can cause local irritation. High concentration may cause blindness

INGESTION: Swallowing of sodium hypochlorite can cause burning and pain in lips, mouth, tongue and stomach. Severe scarring of the throat can occur after swallowing.

SECTION XII ECOLOGICAL INFORMATION



ECOTOXICITY DATA: Very toxic to plant and marine or aquatic life at high concentration

Toxicity in Fish LC50: 0.07-5.9 mg/L (ECOTOX: 48 hours, Fish)

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Reduce with chemicals listed as neutralizing chemicals. Keep on alkaline side and dilute with large quantities of water. Main end product is NaCl

NEUTRALIZING CHEMICALS: Reducing agents such as bisulfites or ferrous salt solutions or urea for low bleach concentration. Heat will be produced.

GENERAL DISPOSAL CONSIDERATIONS: Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

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Pg. 5/5

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SECTION XIV TRANSPORT INFORMATION

PROPER SHIPPING NAME: CORROSIVE LIQUID, N.O.S. (Sodium Hypochlorite Solution)
CLEANING COMPOUND, LIQUID (Gallon - Limited Quantity)
UN/NA NUMBER: UN1791
HAZARD CLASS: 8
PACKING GROUP: III
EMERGENCY RESPONSE GUIDEBOOK: 154
PLACARD/LABELS REQUIRED: Corrosive

SECTION XV REGULATORY INFORMATION

OSHA HAZARDOUS CHEMICAL: none
SARA 302 COMPONENTS: none
SARA 311/312: Immediate (X) Delayed (X) Fire () Reactive ()
Sudden release of Pressure ()
SARA 313 COMPONENTS: none

SECTION XVI OTHER INFORMATION

HMIS: Health = 3; Flammability = 0; Reactivity = 0; Personal Protection Equipment = B

DISCLAIMER

The information herein has been from sources believed to be accurate, reliable and up to date to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources and do not make any warranties nor assume any liability from its use or misuse.

End of SDS