

**Material Safety Data Sheet
RED BREAK**

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SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: RED BREAK
CHEMICAL FAMILY: MILDLY ALKALINE MATERIAL
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:
EYES: May cause severe eye irritation.
SKIN (DERMAL): Skin contact may cause irritation.
SWALLOWING (INGESTION): May cause severe gastrointestinal irritation and/or ulceration of the mouth and throat. Single dose oral LD50 has not been determined.
INHALATION: Vapors and mist may cause respiratory tract irritation.
MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Existing skin and/or respiratory disorders may be aggravated by exposure.
CHRONIC OVEREXPOSURE:.. None known
OSHA REGULATORY STATUS: Since this product is a mixture, there is no defined PEL's (Personal Exposure Limits) established by OSHA. ACGIH TLV's (Threshold Limit Values) for hazardous components are listed in the Hazardous Ingredients Section of this MSDS.

SECTION III – COMPOSITION, INFORMATION ON INGREDIENTS

THRESHOLD LIMIT VALUE:.. The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	%	CAS #	ACGIH/TWA	STEL/TLV
Sodium bisulfite	5-10	7631-90-5	5 mg/M ³	NOT EST.
Ammonium hydroxide	1-5	133-21-6	25 ppm	50 ppm
Denatured alcohol	1-5	64-17-5	1000 ppm	NOT EST.
Sodium octanesulfonate	1-5	5324-84-5	NOT EST.	NOT EST.

Also contains an acrylic copolymer

SECTION IV – FIRST AID MEASURES

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EYES: In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.

SKIN (DERMAL):..... Immediate and continued thorough washing with running water for 15 minutes is required. Wash contaminated clothing before reuse. If irritation persists, seek medical attention.

SWALLOWING (INGESTION): If conscious, give two or three glasses of water. Induce vomiting and continue until vomited fluid is clear. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

INHALATION:..... If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately. Never give anything by mouth to an unconscious person.

SECTION V – FIRE FIGHTING MEASURES

FLASHPOINT: Non flammable, non combustible

LOWER EXPLOSIVE LIMIT:... N/A

UPPER EXPLOSIVE LIMIT:..... N/A

EXTINGUISHING MEDIA: Use extinguishing media appropriate to primary cause of fire.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid contact with fire fighting personnel as burns may result from contact with skin. when fighting a fire near or involving this product, wear a self-contained breathing apparatus. (SCBA)

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL/ LEAK PROCEDURES:.. Appropriate protective clothing must be worn by trained cleanup personnel. Flush to containment with large quantities of water. Properly neutralized liquid (pH 6-9) may be disposed of in waste water treatment facilities. Check with local authorities first.

SECTION VII – HANDLING AND STORAGE

HANDLING INFORMATION: .. Store away from acids, oxidizing compounds and other incompatible materials. Keep container tightly closed when not in use. KEEP OUT OF REACH OF CHILDREN.

STORAGE REQUIREMENTS:.. Keep containers tightly closed when not in use. Empty container completely and dispose of in accordance with applicable regulations. SPILLS: Contain spill. Absorb with inert material and dispose in accordance with applicable regulations. Store away from food production areas and food storage areas.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION:..... Chemical safety goggles. Contact lenses should not be worn when working with any chemicals.

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RESPIRATORY PROTECTION: Respiratory protection should be worn if levels exceed defined PEL's for this product or any hazardous component listed in the Hazardous Ingredient Section of this MSDS.

OTHER PROTECTIVE

EQUIPMENT: Rubber gloves, coveralls and protective footwear.

VENTILATION: Local exhaust sufficient to maintain TLV below permissible exposure limits.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid with mild odor

BOILING POINT: Approx. 212° F.

VAPOR PRESSURE: NOT EST.

VAPOR DENSITY (AIR=1): NOT EST.

SPECIFIC GRAVITY: 1.07

pH: 9.5 ± 0.5 AS IS

SOLUBILITY IN WATER: Completely soluble in water.

SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS

POLYMERIZATION: Will not occur

INCOMPATIBILITY: Chlorinated products such as bleach, alkaline materials, metals, metal powder, carbides, chlorates, fumigates, nitrates, picrates, strong oxidizers, reducing or combustible organic material. Hazardous gases are evolved on contact with chemicals such as chlorine bleach, cyanides, sulfides and carbides.

HAZARDOUS

DECOMPOSITION: Sulfur dioxide

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL

INFORMATION: **Sodium Bisulfite:** Immediate Acute Effects: LD50 (oral, mouse) = 820 mg/kg. Delayed (subchronic and chronic) effects: Sodium Bisulfite is a sensitizer. It can cause dermatitis and can precipitate asthma attacks, angioedema, anaphylaxis, and other allergic reactions in sensitized persons. **AMMONIA 10-35%:** Oral rat LD50: 350 mg/kg; eye rabbit, standard Draize, 250 ug; severe, investigated as a mutagen. For ammonia: inhalation rat LC50: 2000 ppm 4 hr; investigated as a tumorigen, mutagen.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

INFORMATION: **Sodium Bisulfite:** 240 ppm / 24,48 & 96 hr / mosquito fish / TL_m / fresh water. **Ammonia:** 10-35%: Environmental Fate: This material is not expected to significantly bioaccumulate. Environmental Toxicity: 24hr LC50 rainbow trout: 0.008 mg/L, 96hr LC50 fathead minnow: 8.2 mg/L, 48hr LC50 bluegill: 0.024 mg/L, 48hr EC50 water flea: 0.66 mg/L.

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SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:..... Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

SECTION XIV – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: N/A
UN NUMBER: N/A
PACKAGING GROUP:..... N/A

SECTION XV – REGULATORY INFORMATION

LISTED CARCINOGEN:..... None known
TSCA STATUS:..... All components in this product are listed on the TSCA inventory.
SARA SECTION 313: This product **does not** contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning Community Right-To-Know Act of 1986 (40CFR 372):
NFPA HEALTH: 2
NFPA FLAMMABILITY:..... 0
NFPA REACTIVITY:..... 0

CANADIAN WHMIS:..... N/A
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): N/A
CANADA DSL YES (DOMESTIC SUBSTANCES LIST)

SECTION XVI – OTHER INFORMATION

REFERENCES: The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramaster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.
FOOT NOTES: NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.