



CLEARWATER
Engineered Chemistry

Material Safety Data Sheet
AP BREAK

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	B

24 hr. Emergency Contact (CHEMTREC) US Tel: 1- 800 - 424-9300 - Int'l. Tel. 703 - 527 - 3887

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: CLEARWATER INTERNATIONAL L.L.C.
 515 POST OAK BLVD., SUITE 600
 HOUSTON, TX 77027

MANUFACTURER: CLEARWATER INTERNATIONAL L.L.C.
 100 INDUSTRIAL DRIVE
 LEETSDALE, PA 15056

PRODUCT NAME: AP BREAK
PRODUCT CODE: FRA5041B
PRODUCT USE/CLASS: Gel Breaker

MSDS REVISION DATE: 05/08/03 **PREPARER:** MJW **PHONE:** 724-318-1050

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	EXPOSURE LIMITS	CAS#	% BY WEIGHT
AMMONIUM PERSULFATE	None Established	7727-54-0	60-100%
PROPRIETARY COMPONENT	None Established	XXXX-XX-X	5-10%

3. HAZARD IDENTIFICATION

EYE: Dust of this product may be irritating and can cause pain, tearing, reddening and swelling.

SKIN: May cause skin irritation. Allergic reactions are possible.

INGESTION: May be harmful or even fatal if swallowed. Irritating to mouth, throat, and stomach.

INHALATION: May be irritating to mucous membranes and lung tissue.

CHRONIC INFORMATION: None known.

PRIMARY ROUTE(S) OF ENTRY: Ingestion and Eye contact.

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention, if irritation persists.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

INGESTION: If swallowed, induce vomiting. Do not give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT: N.A.
(TAGLIABUE CLOSED CUP)

LOWER EXPLOSIVE LIMIT: N.A.
UPPER EXPLOSIVE LIMIT: N.A.

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AUTOIGNITION TEMPERATURE: N.A.

EXTINGUISHING MEDIA: Use media suitable for surrounding materials.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May form explosive mixtures in air. Static ignition hazard if dust conditions exist.

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear a self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep material into a pile and then place into a chemical waste container. Use caution to avoid creating dusty conditions. (See exposure controls / personal protection section) Spilled material should be disposed of according to applicable regulations.

7. HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling.

STORAGE: Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

RESPIRATORY PROTECTION: No protection needed under normal use and conditions. Use a NIOSH/MSHA approved particulate respirator when inadequate ventilation exist or when high airborne concentrations are expected.

KIN PROTECTION: When contact is likely wear chemical resistant gloves and boots.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash stations should be available in the work area.

HYGIENIC PRACTICES: Wash hands before eating.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White crystals

ODOR: N.D.

BOILING POINT (RANGE): N/A

FREEZE POINT: Decomposes

VAPOR DENSITY: N/A

VAPOR PRESSURE: N/A

PHYSICAL STATE: Solid

SOLUBILITY IN WATER: 51% @ 77F

PH (AS IS): 4-6

BULK DENSITY: N/D

10. STABILITY AND REACTIVITY DATA

CONDITIONS TO AVOID: Avoid creating dust. Avoid temperature extremes.

INCOMPATIBILITY: Avoid contact with heavy metals. Avoid contact with water.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen and sulfur.

HAZARDOUS POLYMERIZATION: Will not occur under normal use and storage conditions.

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CHEMICAL STABILITY: This product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

ORAL: No product information is available.

DERMAL: No product information is available.

INHALATION: No product information is available.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No product information is available.

CHEMICAL FATE INFORMATION: No product information is available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Consult local, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be prohibited by federal, state, and local regulations.

RCRA STATUS: Not determined.

14. TRANSPORTATION INFORMATION

(NON-BULK SHIPMENTS)

D.O.T. PROPER SHIPPING NAME: Ammonium Persulfate Blend

D.O.T. TECHNICAL NAME:

D.O.T. HAZARD CLASS: 5.1

HAZARD SUBCLASS: N/A

D.O.T. UN NUMBER: UN1444

PACKING GROUP: III

RESP. GUIDE PAGE: 140

(BULK SHIPMENTS)

D.O.T. PROPER SHIPPING NAME: Ammonium Persulfate Blend

D.O.T. TECHNICAL NAME:

D.O.T. HAZARD CLASS: 5.1

HAZARD SUBCLASS: N/A

D.O.T. UN NUMBER: UN1444

PACKING GROUP: III

RESP. GUIDE PAGE: 140

T.D.G. PROPER SHIPPING NAME: Ammonium Persulfate Blend

T.D.G. TECHNICAL NAME:

T.D.G. HAZARD CLASS: 5.1

HAZARD SUBCLASS: N/A

T.D.G. UN NUMBER: UN1444

PACKING GROUP: N/A

RESP. GUIDE PAGE: 140

IMDG PROPER SHIPPING NAME: Ammonium Persulfate Blend

IMDG TECHNICAL NAME:

IMDG HAZARD CLASS: 5.1

HAZARD SUBCLASS: N/A

IMDG UN NUMBER: UN1444

PACKING GROUP: N/A

EmS No.: F-A, S-Q

15. REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY:

SECTION 311/312: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

FLAMMABLE HAZARD REACTIVITY HAZARD

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SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<u>COMPONENT</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
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No SARA Section 313 components exist in this product.

TSCA STATUS:

All components of this product are listed on the Toxic Substance Control Act Inventory or are excluded from the listing requirements.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: C, D-2B

CANADIAN ENVIRONMENTAL PROTECTION ACT:

All components of this product are listed on the Canadian Domestic Substance List (DSL).

16. OTHER INFORMATION

HMIS RATING – HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 1 PERSONAL PROTECTIVE RATING: B

LEGEND: N.A. – NOT APPLICABLE, N.E. - NOT ESTABLISHED, N.D. – NOT DETERMINED

THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.