



245 FREIGHT STREET - WATERBURY, CT 06702
 TELEPHONE (203) 575-5700 - FAX (203) 575-5630

1	0	0	-
Health	Flammability	Reactivity	Other

MATERIAL SAFETY DATA SHEET

PRODUCT **BARRETT SNAP-AM** ISSUE DATE **05/30/90**
 PRODUCT CODE **13412** REVISED DATE **11/25/2003**
 24 Hour Emergency Number: **CHEMTREC(1-800-424-9300)** 3

SECTION 1 :- PRODUCT IDENTIFICATION

TRADE NAME **BARRETT SNAP-AM**
 CHEMICAL FAMILY **INORGANIC /ORGANIC MIXTURE**
 FORMULA **Proprietary Mixture**

HMIS RATING:

1 Health	0 Flammability
0 Reactivity	Other

(0 = Insignificant, 1 = Slight, 2 = Moderate, 3 = High and 4 = Extreme)

SECTION 2 :- COMPOSITION / INFORMATION ON INGREDIENTS

MacDermid Inc. has concluded that the ingredients in this product may pose a minor hazard or slight risk under certain conditions for some individuals.

Ingredient	CAS#	By Weight %
Irritant	Trade Secret	5 - 15

SECTION 3 :- PHYSICAL DATA

DENSITY	8.498 Lb/Gl	FORM	Liquid
SPECIFIC GRAVITY	1.019	PH	4.25
FREEZING POINT	32.00 F / 0 C	FLASH POINT	NOT APPLICABLE
VAPOR PRESSURE	Unknown	VOLATILE %	N/A
BOILING POINT	Unknown	MELTING POINT	N/A
CHEMICAL OXYGEN DEMAND (COD)	Unknown mg/l		
BIOLOGICAL OXYGEN DEMAND (BOD)	Not determined		
SOLUBILITY IN WATER	Complete solubility		
COLOR/ODOR	Water white/odorless		

NOTE : These physical properties are typical values for this product.

SECTION 4 :- FIRE AND EXPLOSION DATA

FLASH POINT NOT APPLICABLE
EXTINGUISHING MEDIA Dry chemical, carbon dioxide, foam, water. For massive fires use unmanned hose holder or monitor nozzle. NEVER allow run-off to enter sewers or waterways.
UNUSUAL FIRE & EXPLOSION HAZARDS When heated to decomposition, toxic fumes are emitted. Wear self-contained breathing apparatus/protective clothing.

SECTION 5 :- FIRST AID DATA

EYES Flush eyes under running water for 15 minutes. Contact physician immediately.

SKIN Remove contaminated clothing. Wash skin with soap & water. If irritation develops, contact a physician.

INGESTION Induce vomiting Give water. Contact physician

INHALATION Remove the victim to a cool uncontaminated area. Monitor for respiratory distress.

CAUTION If unconscious - having trouble breathing - or in convulsions do not induce vomiting or give water.

Always clean contaminated clothing and gear prior to reuse. NEVER administer anything to an unconscious person.

SECTION 6 :- HEALTH EFFECTS DATA

Primary Route(s) of Exposure : Eye, Skin, Inhalation and Ingestion

EYE CONTACT (ACUTE) May cause irritation, tears, blurred vision and redness to the eyes.

EYE CONTACT (CHRONIC) There are no known chronic effects associated with this material.

SKIN CONTACT (ACUTE) Prolonged contact may cause slight irritation to the skin.

SKIN CONTACT (CHRONIC) There are no known chronic effects associated with this material.

INGESTION (ACUTE) May irritate mouth and gastrointestinal system.

INGESTION (CHRONIC) There are no known chronic effects associated with this material.

INHALATION (ACUTE) No effects likely except through misting. May cause slight irritation to mucous membranes.

INHALATION (CHRONIC) There are no known chronic effects associated with this material.

SECTION 7 :- PERSONAL PROTECTIVE DATA

RESPIRATORY PROTECTION If there is a value for OSHA-PEL/ACGIH-TLV in section 13 and it is exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your Industrial Hygienist for appropriate cartridge selection and use. See 29CFR 1910.134 for details. For large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a positive pressure, self contained breathing apparatus is recommended.

VENTILATION General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or aerosols may be released.

PROTECTIVE EQUIPMENT Chemically resistant apron, boots and gloves. The availability of a safety shower is recommended. If

clothing is contaminated remove clothing and thoroughly wash the affected body area. Launder contaminated clothing before reuse. Safety glasses or splash proof goggles, face shield. The availability of an eye wash is recommended. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility.

These are general recommendations to provide a safe level of protection for various material handling conditions. Consult with your Safety Professional/Industrial Hygienist for specific information regarding applications at your facility

SECTION 8 :- TOXICOLOGY DATA

TOXICITY STUDIES :

Toxicity studies have not been conducted on this product. However toxicity literature surveys have been conducted on the ingredient(s) in section 2. The results are as follows:

ACUTE ORAL TOXICITY No data available.

ACUTE DERMAL TOXICITY No data available.

ACUTE RESPIRATORY TOXICITY No data available.

OTHER TOXICOLOGICAL EFFECTS Irritant: A chemical which is not corrosive, but may cause a reversible inflammatory effect on living tissue by chemical action at the site of contact.

Listed as suspected carcinogen by :

IARC NO

NTP NO

OSHA NO

SECTION 9 :- REACTIVITY DATA

INCOMPATIBILITY Oxidizers

HAZARD DECOMPOSITION PRODUCTS Oxides of carbon and sulfur

STABILITY Stable

HAZARDOUS POLYMERIZATION No hazardous polymerization.

SECTION 10 :- SPILLS & DISPOSAL DATA

In case of Transportation Accidents, call the following 24 hour telephone number : **CHEMTREC** (1-800-424-9300)

SPILL CONTROL AND RECOVERY Soak up into inert absorbent material. DO NOT use sawdust or other organic materials. Collect for disposal in plastic recovery drum. Flush residue with plenty of water to chemical drain.

DISPOSAL Dispose of by an approved method at an approved secure facility.

Please ensure that packaging, including drums, are disposed of in a responsible manner and in accordance with federal, and your state's, solid/hazardous waste regulations. You may want to refer to www.reusablepackaging.org

for further disposal guidance.

Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

SECTION 11 :- TRANSPORTATION DATA

DOT PROPER SHIPPING NAME NON-REGULATED

HAZARD NON REGULATED

UN/NA# 000000

DOT REPORTABLE QUANTITY (RQ) NOT APPLICABLE **Pkg Grp**

IMO NAME PLATING ADDITIVE 000000

IMO Class/Sub Class NON-REGULATED

UN/NA# 000000 **Pkg Grp**

IATA NAME PLATING ADDITIVE

IATA Cls/Sub Cls NON-REGULATED

UN/NA# 000000 **Pkg Grp**

EXPORT LICENSE MAY BE REQUIRED TO EXPORT THIS PRODUCT

SECTION 12 :- GENERAL STORAGE DATA

STORAGE TEMPERATURE : Maximum: 120.00°F 48.8°C Minimum: 37

Material should be stored in the properly sealed original container
Keep containers sealed until ready for use. Avoid excessive long term storage temperatures to prolong shelf life.

SECTION 13 :- REGULATORY DATA

The following regulations apply to this product.

FEDERAL REGULATIONS

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:
Based on our evaluation, the following ingredients in this product are subject to this rule:

Chemical Name	CAS#	By Weight%	OSHA-PEL	ACGIH-TLV
Irritant	Trade Secret	5 - 15	N/A	N/A

CERCLA/SUPERFUND, 40 CFR 117, 302/304 : Notification of spills of this product is not required

SARA/SUPERFUND AMENDMENTS & REAUTHORIZATION ACT OF 1986 (TITLE III)

Sections 302, 311, 312 & 313

SECTION 302 : Extremely Hazardous Substances

This product does not contain ingredient(s) as listed in APPENDIX A of 40 CFR 355.

SECTIONS 311 & 312 - M.S.D.S REQUIREMENTS (40 CFR 370)

This product contains ingredient(s) that may require reporting under Hazardous Chemical Inventory Reporting

- Immediate (Acute) health hazard Sudden release of pressure hazard
 Delayed (Chronic) health hazard Reactive Hazard
 Fire hazard

Under Section 311, submittal of MSDS or a list of product names to the local emergency planning commission, state emergency response commission, the local fire department is required after October 17, 1987. Consult the regulation for pertinent changes and updates.

SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372)

This product does not contain ingredient(s) listed under 40 CFR 372.65

TOXIC SUBSTANCE CONTROL ACT (TSCA)

TOXIC SUBSTANCE CONTROL ACT (TSCA): The chemical ingredient(s) in this product are listed on the 8(b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CFR 261 SUBPARTS C & D

Please refer to section 10, disposal information for pertinent data.

TOTAL TOXIC ORGANICS

This product does not contain ingredient(s) on the list of Total Toxic Organics.

OSHA PROCESS SAFETY (1910.119)

This product does not contain ingredient(s) listed in APPENDIX A of 29 CFR 1910.119 of Highly Hazardous Chemicals, Toxics, and Reactives of OSHA process safety management.

CLEAN AIR ACT

This product does not contain ingredient(s) listed on the Hazardous Air Pollutants of CAA 40 CFR 112(G).

OZONE DEPLETING SUBSTANCES

This product does not contain ingredient(s) listed on Ozone Depleting Substances of CAA 40 CFR 82.

STATE REGULATIONS

CALIFORNIA PROPOSITION 65

This product does not contain ingredient(s) listed on California Prop 65 suspected carcinogen/reproductive toxicant list.

MICHIGAN CRITICAL MATERIALS

This product does not contain ingredient(s) listed on the Michigan Critical Material Register.

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; it is the users responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Inc. Safety & Regulatory Compliance Department, based upon publicly available reference information.

SECTION 14 :-	USER NOTIFICATION
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To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.

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