



MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: 06/13/11

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME: **ADENA 6111** CHEMICAL FAMILY:
PRODUCT NUMBER: AD6111 FORMULA: PROPRIETARY
SUPPLIER'S NAME: ADENA TECHNOLOGIES PHONE NUMBER: (888) 247-2312
SUPPLIER'S ADDRESS: 101 Technology Lane EMERGENCY NO.: (800) 255-3924
Export, PA 15632 DATE PREPARED: 06/10/11
SHIPPING NAME: CONSUMER COMMODITY (ORM-D)

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING
HEALTH	3
FLAMMABILITY	0
REACTIVITY	1
MAX PERSONAL PROTECTION	H

SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SEC. 313	PEL	TLV-TWA	STEL-TLV
Bromo Chloro Dimethylhydantoin	No	32718-18-6	>95			Not Established	

SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: Not Applicable
VAPOR PRESSURE: Not Applicable
VAPOR DENSITY: Not Applicable
SOLUBILITY IN WATER: 0.2 grams/100 gms @25°C
SPECIFIC GRAVITY @20°C: Not Applicable
pH RANGE: Not Applicable
EVAPORATION RATE (Water=1): <1
VOLATILE RATE:
PHYSICAL DESCRIPTION: White to off-white briquette with very slight pungent odor.

SECTION 3 - FIRE/EXPLOSION HAZARD DATA

FLAMMABILITY: (FLAME PROJECTION) AUTO IGNITION TEMP: Not Applicable
FLASH POINT: Product decomposes at 320°F (160°C)
FLAMMABILITY LIMITS: Not Applicable
EXTINGUISHER MEDIA: Dry chemical, carbon dioxide or water spray.
SPECIAL FIRE FIGHTING PROCEDURES: Wear MSHA/NIOSH approved self-contained breathing apparatus and protective clothing. Flood burning material with water to reduce noxious gas formation. Cool fire exposed containers with water spray.
UNUSUAL FIRE & EXPLOSION HAZARDS: May ignite combustible materials and produce noxious gases. Airborne dusts in an enclosed space may constitute an explosive hazard.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable
INCOMPATIBILITY: Strong acids and alkalis, high temperatures, moisture and readily oxidizable material.
CONDITIONS TO AVOID: Heating above decomposition temperature.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce toxic vapors/fumes of Hydrogen Bromide, Bromine, Hydrogen Chloride and oxides of carbon and nitrogen.
HAZARDOUS POLYMERIZATION: Will Not Occur

SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTES OF ENTRY: SKIN: May result in severe irritation and chemical burns. Repetitive skin exposure may induce sensitization.
EYES: Will result in severe irritation. Prolonged contact may produce irreversible cellular damage to the eye.
INHALATION: Inhalation can be severely irritating with potential systematic absorption and tissue damage.
INGESTION: Not a primary route of exposure.
FIRST AID PROCEDURES: SKIN: Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develop, get medical attention. Launder contaminated clothing before reuse.
EYES: Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.
INHALATION: Move to fresh air. Aid in breathing, if necessary, and get medical attention.
INGESTION: If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: NIOSH/MSHA approved filter type mask for dust, fumes and mists as needed to maintain P.E.L.
VENTILATION: Local and/or mechanical exhaust to maintain exposure below P.E.L.
PROTECTIVE CLOTHING: Neoprene gloves, apron, boots – as necessary to prevent skin contact.
EYE PROTECTION: Chemical goggles.
PROTECTIVE EQUIPMENT: Safety shower and eyewash fountains should be easily accessible.
OTHER PRECAUTIONS: Do not eat, drink or smoke in work area. Wash hands after handling. Launder contaminated clothing.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Carefully sweep up spilled material (avoid generating dust) and place in proper container for disposal. Neutralize residues with dilute alkaline sodium bisulfite or thiosulfate solution; absorb with sand or inert material and place in proper container for disposal.
WASTE DISPOSAL METHODS: Pesticide. Material is toxic to fish. Do not discharge into waterways. Dispose of in accordance with all federal, state and local regulations. Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.
HAZARDOUS WASTE 40CFR261: This material is an EPA registered pesticide.
PRECAUTION IN STORAGE AND HANDLING: Store in original container. Keep container sealed when not in use. Never add water to products. Always add products to large quantities of water. Do not add this product to any dispensing device containing remnants of any other product. Such use may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals will start a chemical reaction and generate heat, hazardous gas, possible fire and explosion. In case of contamination or decomposition, do not reseal container. If possible, isolate container in open air or well-ventilated area. Flood area with large volumes of water.
OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.