# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CHEMCURE B / 1304 HMIS CODES: H F R P
PRODUCT CODE: CHEM B 3 3 1 H

## SECTION I - MANUFACTURER IDENTIFICATION

**MANUFACTURER NAME:** **Advance Polymer Coating, Inc.** **NAME OF PREPARER: Bruce G. Pelham**
**DISTRIBUTOR NAME:** **Brooks Tech, Inc.; 56 Blondell Ct., Timonium, MD 21093**
**EMERGENCY PHONE:** **1-800-255-3924 - CHEM TEL** **INFORMATION PHONE: 410-560-6122**
**DATE REVISED:** **01- 07-14** **Manufactured in U.S. A.**

## SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION

| | | OCCUPATIONAL EXPOSURE LIMITS | | | VAPOR PRESSURE | | |
|---|---|---|---|---|---|---|---|
| HAZARDOUS COMPONENTS | CAS # | OSHA PEL | ACGIH TLV | OTHER | mm Hg @ | TEMP | WT % |
| | | | | | | | |
| ETHANOL | 64-17-5 | 1000 PPM | 1000 PPM | | 46.0 | 68F | 50 |
| **METHANOL | 67-56-1 | 200 ppm 8 hr | 200 ppm 8 hr | 250 ppm STEL | 96.0 | 68F | 2 |
| **HEXONE, 4-METHYL-2 - PENTANONE | 108-10-1 | TWA=100ppm | TWA=50ppm | STEL=75PPM | 15.0 | 68F | 1 |
| KETIMONE | 25707-70-4 | not established | for this | product | N/A | N/A | 30 |

***Indicates toxic chemical (s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. Ketimone contains a small amount of ethylenediamine C.A.S. #107-15-3 and it decomposes in the presence of moisture to yield ethylenediamine & Hexone (MIBK). Ethylenediamine has an ACGIH-TLV/TWA OF 10 ppm. & OSHA-PEL/TWA of 10ppm.**

## III. PHYSICAL/ CHEMICAL CHARACTERISTICS

**Boiling Range:** 148 to 237 Deg F
**Vapor Density:** Heavier than Air
**Solubility in Water:** Complete
**Appearance & Odor** Amber liquid with a mild alcohol (wine) odor.
**Specific Gravity:** 0.8
**Evaporation Rate:** Slower than ether
**Coating V.O.C.:** 3.77 LB/GL ( 452 G/L)

## IV. FIRE AND EXPLOSION HAZARD DATA

**Flash Point: 55 Deg F** **Method Used: T.C.C.**

**FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: 1.2% UPPER: 36.5%**

**Extinguishing Media: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG**

**Special Fire Fighting Procedures** : Evacuate unprotected personnel. Wear full protective clothing including a NIOSH-approved self-contained breathing apparatus. Cool containers exposed to high temperatures encountered in a fire with water spray.

**Unusual Fire & Explosion Hazards**: Containers from this material may be hazardous when emptied, since they may contain vapor residues in quantities enough to form an explosive mixture inside. Vapors may travel to other areas where a source of ignition may ignite them and flashback to the container.

## SECTION V. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: Hot surfaces, Heat, Sparks, Open Flames, and all sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents, and Water even Water Vapor in Air.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: With Heat: CO, Nitrogen Oxides, CO2, and Smoke.
By Hydrolysis: Hexone (MIBK) & Ethylenediamine

## SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Excessive inhalation can cause nasal & respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, disorientation, headache, unconsciousness and even death. May cause distressed breathing & cough.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

SKIN: Can cause severe irritation with possible chemical burns and sensitization.
EYES: Severe irritation & blurring of vision, may cause significant burns.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Skin exposure may cause chemical burns & can lead to absorption resulting in an anesthetic effect and/or central-nervous system effects similar to those delineated for signs & symptoms of inhalation.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: If swallowed can cause gastrointestinal distress including nausea, vomiting, diarrhea. Swallowing can also cause central nervous system depression including loss of coordination, blurring of vision, slurred speech and possible unconsciousness.

HEALTH HAZARDS (ACUTE AND CHRONIC): Liquid is severely irritating to eyes, may cause chemical burns of he skin, & possible dermatitis. Vapors may cause headaches, dizziness, are anesthetic, and may have other central nervous system effects. High vapor concentrations may be irritating to the eyes, skin and respiratory tract, also possible liver & organ damage may result from misuse abuse or intentional over exposure. May cause sensitization of the skin.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting eye, skin & respiratory disorders.

EMERGENCY AND FIRST AID PROCEDURES:

SKIN: Thoroughly flush exposed areas with large amounts of water for at least 15 minutes, remove contaminated clothing while flushing with water & launder before reuse.
EYES: Flush with large amounts of water for at least 15 minutes.
SWALLOWED: If victim is alert give no more than 2 glasses of water & induce vomiting keeping victims head below hips.
BREATHED: Move victim to fresh air & provide oxygen if breathing is difficult. Get immediate medical attention for all significant exposures. If there is any doubt, get medical attention.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. Workers must wear the proper protective clothing & approved respirators. Recover free product. Absorb with clay, sand or other inert absorbent.

WASTE DISPOSAL METHOD: Keep product out of sewers watercourses & extensive land areas. Advise the proper authorities if required & comply with all governmental regulations. Comply with all existing governmental laws, rules & regulations in effect. Remove waste to a waste disposal facility licensed to handle hazardous waste in compliance with all laws & regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store at normal room temperature, below 80 degrees F. Keep containers tightly sealed. Storage area should be well ventilated & be in compliance with OSHA 1910.106. Do not weld or flame cut containers. Containers should be grounded & bonded when pouring.

OTHER PRECAUTIONS: Do not take internally. Avoid all contact with skin. Never use pressure to empty. Container is not a pressure vessel. Do not cut, grind, drill or use the container in any way that might cause a spark as empty container may contain explosive vapors. Intentional abuse, misuse or other massive exposure may cause multiple organ damage or death. It is the users responsibility to utilize this information along with all other available & pertinent information to determine the suitability of this product for use in your facility.

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SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Use a NIOSH-approved respirator as required to prevent overexposure. In accord with 29 cfr 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

VENTILATION: In accordance with OSHA regulations 29 CFR part 1910.1200 use explosion-proof ventilation equipment to control vapor concentrations to below the T.L.V. for the ingredients listed.

PROTECTIVE GLOVES: Neoprene or PVA gloves. Check often to make sure they haven't developed a leak.

EYE PROTECTION: Wear chemical protective goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear protective clothing & neoprene or other solvent resistant apron to prevent any contact. Contaminated clothing should be removed at once, flushed with water, then dried out & laundered before reuse.

WORK / HYGIENIC PRACTICES: Wash hand before eating or using lavatory. Do not smoke near this product.

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SECTION IX - DISCLAIMER

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. We do not warrant or guarantee their accuracy or reliability, and we shall not be liable for any loss or damage arising out of the use thereof. The user must determine the suitability of use under their conditions.