

U. S. DEPARTMENT OF LABOR  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

**MATERIAL SAFETY DATA SHEET**

EFFECTIVE 09-01-11

**SECTION I**

TAK SYSTEMS  
14 KENDRICK ROAD  
WAREHAM, MA 02571

TRANSPORTATION EMERGENCY: (508) 295-9630  
MEDICAL EMERGENCY: (508) 295-9630

TRADE NAME AND SYNONYMS: Hydroplastic  
FORMULA: Proprietary

**SECTION II – HAZARDOUS INGREDIENTS**

COMPONENT	%	TLV (UNITS)
None		

**SECTION III – PHYSICAL DATA**

BOILING POINT: None	VAPOR PRESSURE (mmHg): N/A
MELTING POINT:	VAPOR DENSITY (AIR=1): N/A
SPECIFIC GRAVITY: 1.43 – 1.150 glcc	EVAPORATION RATE: N/A
SOLUBILITY IN WATER: Nil	% VOLATILE BY VOLUME: Nil

APPEARANCE & ODOR: Pellets

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 380°C plus/minus 5°C

FLAMMABLE LIMITS:

EXTINGUISHING MEDIA: All purpose – type foams by manufacturer's recommended techniques.

SPECIAL FIRE-FIGHTING PROCEDURES: Use self-contained breathing apparatus when fighting fires in enclosed areas. Do not direct a solid stream of water or foam into burning molten material; this may spread.

UNUSUAL FIRE & EXPLOSION HAZARDS: Avoid dispersion of dust in air to reduce potential for dust ignition/explosions.

---

**SECTION V – HEALTH HAZARD DATA**

---

**THRESHOLD LIMIT VALUE:** None established by ACGIH or OSHA

**EFFECT OF OVEREXPOSURE:** No evidence of adverse effects from available information

**EMERGENCY AND FIRST AID PROCEDURES:** Toxicology studies have shown the material to be of very low toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

---

**SECTION VI – REACTIVITY DATA**

---

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITION TO AVOID:** Combustion may form carbon monoxide and/or carbon dioxide under certain conditions.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

---

**SECTION VII – SPILL OR LEAK PROCEDURES**

---

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Collect for disposal

**DISPOSAL PROCEDURE:** Bury in a landfill where permitted under appropriate Federal, State, and Local regulations.

---

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

---

**RESPIRATORY PROTECTION (SPECIFY TYPE):** Dust respirator if dusty condition exists.

**VENTILATION:** Used to control dusting

**EYE & SKIN PROTECTION:** Rubber or plastic gloves, and safety glasses, as good hygiene practice.

**OTHER PROTECTIVE EQUIPMENT:**

---

---

**SECTION IX – STORAGE AND HANDLING PRECAUTIONS**

---

**PRECAUTION TO BE TAKEN IN HANDLING AND STORING:** This product may contribute to nuisance dusts and possibly to respirable dusts. Avoid breathing dusts.

**OTHER PRECAUTION:** Disposal- Potential for a dust explosion exists if attempt is made to incinerate organic powders. If incineration is desired, dissolve in a suitable solvent and incinerate as a solution.

---

**SECTION X – REGULATORY INFORMATION**

---

**STATUS ON SUBSTANCE LISTS:** The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulation. Trade Secrets are indicated by TS.

**FEDERAL EPA**

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

**Component present in this product at a level which could require reporting under statute are:** None

---

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312)

**Components present in this product at a level which could require reporting under statute are:** None

---

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material.

**Components present in this product at a level which could require reporting under statute are:** None

---

## STATE RIGHT-TO-KNOW

**California:** Substances known to the state of California is cause cancer, birth defect or other reproductive harm: None known

**Massachusetts:** Right-to-know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute: None known

**PENNSYLVANIA:** Right-to-know, Hazardous substance List Hazardous substances and Special Hazardous Substances on the list must identify when present in products.

Components present in this product at a level which could require reporting under the statute: None known

**New Jersey:** Substances on the New Jersey workplace hazardous substance list present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): None known

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE RELIABLE, BUT NO REPRESENTATIONS, GUARANTEES OR WARRANTIES OF ANY KIND ARE MADE AS TO ITS ACCURACY, SUITABILITY FOR PARTICULAR APPLICATIONS OR THE RESULTS TO BE OBTAINED THERE FROM. THE INFORMATION IS BASED ON LABORATORY WORK WITH SMALL SCALE EQUIPMENT AND DOES NOT NECESSARILY INDICATE END PRODUCT PERFORMANCE BECAUSE OF THE VARIATIONS IN METHODS, CONDITIONS AND EQUIPMENT USED COMMERCIALY IN PROCESSING THESE MATERIALS, NO WARRANTIES OR GUARANTEES ARE MADE AS TO THE SUITABILITY OF THE PRODUCTS FOR THE APPLICATIONS DISCLOSED. FULL-SCALE TESTING AND END PRODUCT PERFORMANCE ARE THE RESPONSIBILITY OF THE USER. TAK SYSTEMS SHALL NOT BE LIABLE FOR AND THE CUSTOMER ASSUMES ALL RISK AND LIABILITY OF ANY USE OR HANDLING OF ANY MATERIAL BEYOND TAK SYSTEMS' DIRECT CONTROL. THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NOTHING CONTAINED HEREIN IS TO BE CONSIDERED AS PERMISSION, RECOMMENDATION, NOR AS AN INDUCEMENT TO PRACTICE ANY PATENTED INVENTION WITHOUT PERMISSION OF THE PATENT OWNER.