

**MATERIAL SAFETY DATA SHEET****POLYSTYRENE (IMPACT)**

Printed: 1/24/08

**PRODUCT IDENTIFICATION AND USE**

MANUFACTURER: ARKEMA CANADA INC.  
700 THIRD LINE  
OAKVILLE, ONTARIO  
L6J 5A3

EMERGENCY PHONE NUMBER: (905) 827-9841 (ARKEMA)  
(613) 996-6666 (CANUTEC)

PRODUCT IDENTIFIER: POLYSTYRENE - 625P1, 825P1, HIPS 830, HIPS 6110, HIPS 6420,  
SHIPS 945E

PRODUCT CODE: AP-P83

PRODUCT USE: INJECTION MOULDING & EXTRUSION

WHMIS CLASSIFICATION: NOT CONTROLLED

**HAZARDOUS INGREDIENTS**

| NA | %W/W | CAS # | TLV |
|----|------|-------|-----|
|----|------|-------|-----|

ADDITIONAL INGREDIENT INFORMATION (WHMIS NOT CONTROLLED):  
POLYSTYRENE, MINERAL OIL.

**PHYSICAL DATA**

|                                  |                          |
|----------------------------------|--------------------------|
| PHYSICAL STATE:                  | SOLID                    |
| ODOUR AND APPEARANCE:            | ODOURLESS WHITE PELLETS. |
| ODOUR THRESHOLD:                 | NE                       |
| SPECIFIC GRAVITY/DENSITY (G/ML): | 1.04 (WATER = 1)         |
| VAPOUR PRESSURE:                 | NE                       |
| VAPOUR DENSITY (AIR=1):          | NE                       |
| VOLATILITY/VOL(%):               | NEGLIGIBLE               |
| SOLUBILITY IN H2O:               | INSOLUBLE IN WATER.      |
| EVAPORATION RATE:                | NE                       |
| BOILING POINT:                   | NE                       |
| FREEZING POINT:                  | >132.22°C (270°F)        |
| PH:                              | NA                       |
| LOG KOW:                         | NE                       |

**SHIPPING INFORMATION**

THIS PRODUCT IS NOT TDG REGULATED.

**FIRE AND EXPLOSION HAZARD**

|                                  |   |
|----------------------------------|---|
| FLAMMABILITY:                    | NOT FLAMMABLE.  |
| CONDITIONS:                      | WILL BURN AT ELEVATED TEMPERATURES.   |
| MEANS OF EXTINCTION:             | WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY<br>CHEMICAL. DO NOT USE WATER JET.                   |
| FLASHPOINT:                      | NA  |
| UPPER EXPLOSION LIMIT (% V):     | NE  |
| LOWER EXPLOSION LIMIT (%V):      | NE  |
| AUTO-IGNITION TEMPERATURE:       | 440°C (824°F)   |
| HAZARDOUS COMBUSTION PRODUCTS:   | OXIDES OF CARBON.   |
| EXPLOSION DATA:                  | NE  |
| SENSITIVITY TO IMPACT:           | NO  |
| SENSITIVITY TO STATIC DISCHARGE: | AVOID ACCUMULATION OF STATIC ELECTRICITY AND<br>POSSIBLE FORMATION OF DUST DURING TRANSFER OF |

NA - NOT APPLICABLE

NE - NOT ESTABLISHED



**MATERIAL SAFETY DATA SHEET****POLYSTYRENE (IMPACT)**

Printed: 1/24/08

POWDER INTO METALLIC INSTALLATIONS. PROVIDE  
GROUNDING.**REACTIVITY**

|                                      |                          |
|--------------------------------------|--------------------------|
| CHEMICAL STABILITY:                  | STABLE                   |
| INCOMPATIBLE MATERIALS:              | STRONG OXIDIZING AGENTS. |
| CONDITIONS OF REACTIVITY:            | NE                       |
| HAZARDOUS DECOMPOSITION<br>PRODUCTS: | NE                       |

**HEALTH HAZARD INFORMATION****ROUTE OF ENTRY**

|                  |  |
|------------------|--|
| SKIN CONTACT:    | PROCESSING VAPOURS MAY CAUSE IRRITATION. |
| SKIN ABSORPTION: | NE                                       |
| EYE:             | PROCESSING VAPOURS MAY CAUSE IRRITATION. |
| INGESTION:       | NOT EXPECTED TO BE HARMFUL.              |
| INHALATION:      | PROCESSING VAPOURS MAY CAUSE IRRITATION. |

ACUTE OVER EXPOSURE EFFECTS:

NE

CHRONIC OVER EXPOSURE EFFECTS:

NE

SENSITIZATION:

DOES NOT MEET WHMIS CRITERIA.

CARCINOGENICITY:

DOES NOT MEET WHMIS CRITERIA.

TERATOGENICITY:

DOES NOT MEET WHMIS CRITERIA.

MUTAGENICITY:

DOES NOT MEET WHMIS CRITERIA.

REPRODUCTIVE TOXICITY:

DOES NOT MEET WHMIS CRITERIA.

**PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT:

WEAR SAFETY GLASSES AND USE IMPERVIOUS  
GLOVES.

SPECIFIC ENGINEERING CONTROLS:

LOCAL EXHAUST IS RECOMMENDED.

LEAK AND SPILL PROCEDURES:

SWEEP OR SCOOP UP AND PLACE IN A CLOSED  
CONTAINER.

WASTE DISPOSAL:

CONSULT FEDERAL OR LOCAL AUTHORITIES FOR  
APPROVED DISPOSAL METHODS.

HANDLING PROCEDURES AND EQUIPMENT:

WASH BEFORE EATING, DRINKING, USING TOBACCO  
PRODUCTS OR REST ROOMS.

STORAGE REQUIREMENTS:

KEEP IN A CLOSED, LABELED CONTAINER IN A  
VENTILATED AREA.**FIRST AID MEASURES**

EYE

FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING  
EYELIDS OPEN. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.

SKIN

WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION  
OCCURS OR PERSISTS.

INGESTION

NONE REQUIRED.

INHALATION

REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY  
ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL  
ATTENTION.**PREPARATION DATE**

PREPARED BY:

TECHNICAL DEPARTMENT.

PHONE NUMBER OF PREPARER:

905-827-9841

DATE PREPARED (MM/DD/YY):

11/15/01

NA - NOT APPLICABLE

NE - NOT ESTABLISHED



**MATERIAL SAFETY DATA SHEET****POLYSTYRENE (IMPACT)**

Printed: 1/24/08

DATE REVISED (MM/DD/YY): 01/23/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE, OR MISUSE ARE BEYOND OUR CONTROL, ARKEMA CANADA MAKES NO WARRANTY EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

NA - NOT APPLICABLE

NE - NOT ESTABLISHED