MATERIAL SAFETY DATA SHEET

MSDS# 1605

SECTION 1

QUADRANT EPP
2120 FAIRMONT AVENUE
P.O. BOX 14235
READING, PA. 19612-4235

TELEPHONE NUMBERS:
PRODUCT INFORMATION
610-320-6600
TRANSPORTATION EMERGENCY (CHEMTREC) -
800-424-9300

MATERIAL IDENTIFICATION

PRODUCT NAME: TECHTRON PSGF PPS, RYTON 40% GLASS VR1040
CHEMICAL NAME: POLY (1,4-PHENYLEN. SULFIDE)
CAS NUMBER: 26125-40-6
TSCA INVENTORY STATUS: APPEARS ON THE INVENTORY OF CHEMICAL
SUBSTANCES PUBLISHED BY THE U.S. ENVIRONMENTAL PROTECTION AGENCY
STANDARD 29 CFR 1910. 1200

SECTION 2

INGREDIENTS

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS NO</th>
<th>TLV (ACGIH)</th>
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<tbody>
<tr>
<td>POLYTETRAFLUOROE</td>
<td>09002-84-0</td>
<td>10 MG/M³</td>
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<tr>
<td>HYLENE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MILLED GLASS FIBERS</td>
<td>65997-17-3</td>
<td>10 MG/RN³</td>
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<tr>
<td>ZEOTHIX</td>
<td>07631-86-9</td>
<td>10 MG/RN³</td>
</tr>
</tbody>
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SECTION 3

HEALTH HAZARD DATA

ACUTE OR IMMEDIATE EFFECTS: ROUTES OF ENTRY AND SYSTEMS.

INGESTION: NOT A PROBABLE ROUTE OF EXPOSURE FOR SHAPES. POWDER MAY BE
HARMFUL IF SWALLOWED, MATERIAL DOES NOT DISSOLVE.

SKIN: POWDER MAY CAUSE SKIN IRRITATION.

EYE: MECHANICAL IRRITATION ONLY.

INHALATION: SHAPES NOT RESPIRABLE.
SECTION 4

EMERGENCY FIRST AID

IF EXPOSED TO FUMES FROM OVERHEATING, MOVE TO FRESH AIR CONSULT A PHYSICIAN IF SYMPTOMS PERSIST.

WASH SKIN WITH SOAP AND PLENTY OF WATER.

FLUSH EYES WITH WATER. CONSULT A PHYSICIAN IF SYMPTOMS PERSIST.

CHRONIC EFFECTS: NONE KNOWN.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY THIS MATERIAL: NONE KNOWN.

SECTION 5

FIRE AND EXPLOSION HAZARD DATA

FLASH IGNITION TEMPERATURE: WILL NOT FLASH.

UNUSUAL FIRE, EXPLOSION HAZARDS: NONE KNOWN.

HAZARDOUS DECOMBUSTION PRODUCTS: HEATING ABOVE THE MELTING POINT, OR PROLONGED HEATING ABOVE 260 C./500 F., MAY CAUSE THERMAL DEGREDATION OF POLYETETRAFLUORETHYLENE WHICH LEADS TO THE FORMATION OF OXIDIZED PRODUCTS CONTAINING CARBON, FLUORINE AND OXYGEN.

SPECIAL FIRE FIGHTING INSTRUCTIONS: FIRE FIGHTERS AND OTHERS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING SELF-CONTAINED BREATHING APPARATUS. FIRE FIGHTING EQUIPMENT SHOULD BE THOROUGHLY DECONTAMINATED AFTER USE.

EXTINGUISHING MEDIA: WATER SPRAY OR ANY CLASS A EXTINGUISHING AGENT.

PHYSICAL HEALTH HAZARDS:
DUST MAY FORM EXPLOSIVE MIXTURES WITH AIR. AVOID DUST FORMATION AND CONTROL IGNITION SOURCES. ALL PLASTIC DUST PARTICLES SUSPENDED IN AIR ARE COMBUSTIBLE AND MAY BE EXPLOSIVE. KEEP AWAY FROM HEAT, SPARKS, FLAME, AND OTHER IGNITION SOURCES. PREVENT DUST ACCUMULATIONS AND DUST CLOUDS. EMPLOY GROUNDING, VENTING, AND EXPLOSIVE RELIEF PROVISIONS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND NFPA PROVISIONS IN ANY PROCESS CAPABLE OF GENERATING DUST AND/OR STATIC ELECTRICITY. EXPLOSION HAZARDS APPLY ONLY TO DUSTS, NOT GRANULAR FORMS OF THIS PRODUCT. SEE ALSO SPECIAL PRECAUTIONS SECTION BELOW.
SECTION 6

ACCIDENTAL RELEASES

SPILL OR RELEASE: CLEAN UP BY VACUUMING OR WET SWEEPING TO MINIMIZE DUST EXPOSURE.

SECTION 7

STORAGE CONDITIONS

DRY STORAGE. KEEP CONTAINERS CLOSED TO PREVENT CONTAMINATION.

SECTION 8

PROTECTION INFORMATION

EYE: SAFETY GLASSES ARE RECOMMENDED TO PREVENT PARTICULATE MATTER FROM ENTERING EYES WHILE GRINDING OR MACHINING.

SKIN: THIS PRODUCT IS NOT LIKELY TO BE HAZARDOUS BY SKIN CONTACT, BUT CLEANSING THE SKIN AFTER USE IS ADVISABLE.

VENTILATION: LOCAL EXHAUST AT PROCESSING EQUIPMENT TO KEEP PARTICULATES BELOW 15 MG/M3, THE OSHA LIMIT FOR NUISANCE DUSTS. GRINDING AND MACHINING OF PARTS SHOULD BE REVIEWED TO ASSURE THAT PARTICULATE LEVELS ARE KEPT AT RECOMMENDED LEVELS.

OTHER: AVOID CONTAMINATION OF CIGARETTES OR TOBACCO WITH FLUOROSINT DUST.

RESPIRATOR: NONE UNDER NORMAL PROCESSING, IF VENTILATION IS ADEQUATE.
SECTION 9

PHYSICAL/CHEMICAL DATA

ODOR: ESSENTIALLY ODORLESS.

MELTING POINT: 342 C./648 F.

SOLUBILITY IN WATER: INSOLUBLE.

VOLATILE CONTENT %: <1%

SPECIFIC GRAVITY: 2.25-2.35

PRECAUTIONS FOR REPAIR & MAINTENANCE OF CONTAMINATED EQUIPMENT:
ELIMINATE IGNITION SOURCES:
TRANSFER FROM STORAGE WITH A MINIMUM AMOUNT OF DUSTING. GROUND ALL
TRANSFER, BLENDING, AND DUST COLLECTING EQUIPMENT TO PREVENT STATIC
SPARKS IN ACCORDANCE WITH NFPA 70 “NATIONAL ELECTRIC CODE”. REVIEW AND
COMPLY WITH ALL RELEVANT NFPA PROVISIONS, INCLUDING BUT NOT LIMITED TO
NFPA 484 AND NFPA 654 RELATED TO COMBUSTIBLE DUST HAZARDS. REMOVE ALL
IGNITION SOURCES FROM MATERIAL HANDLING, TRANSFER, AND PROCESSING
AREAS WHERE DUST MAY BE PRESENT. LOCAL EXHAUST VENTILATION SHOULD BE
PROVIDED IN WORK AREA.

SECTION 10

HAZARDOUS REACTIVITY

STABILITY AT ROOM TEMPERATURE: STABLE.

MATERIALS TO AVOID: NONE KNOWN.

CONDITIONS TO AVOID: HEATING ABOVE 400 C./750 F.
SECTION 11

TOXICOLOGICAL INFORMATION

CHRONIC TOXICITY: SPECIFIC TOXICITY TESTS HAVE NOT BEEN CONDUCTED ON THIS PRODUCT. THE HAZARD EVALUATION IS BASED ON INFORMATION FROM SIMILAR PRODUCTS, THE INGREDIENTS, TECHNICAL LITERATURE, AND/OR PROFESSIONAL EXPERIENCE FROM THE RESIN MANUFACTURER.

THIS PRODUCT CONTAINS POLYTETRAFLUOROETHYLENE (PTFE). VAPORS WHICH CAN CAUSE FLU-LIKE SYMPTOMS ARE LIBERATED FROM PTFE AT TEMPERATURES ABOVE 250 C./480 F. OR IF CIGARETTES OR OTHER SMOKING MATERIALS ARE CONTAMINATED WITH FLUOROSINT DUST OR MACHINE WASTE.

CARCINOGENICITY: NO COMPONENT OF THIS PRODUCT PRESENT AT LEVELS GREATER THAN 0.1% IS IDENTIFIED AS A CARCINOGEN BY NTP, IARC OR OSHA.

SECTION 12

ECOLOGICAL INFORMATION

AQUATIC TOXICITY: TOXICITY IS EXPECTED TO BE LOW BASED ON INSOLUBILITY OF PRODUCT IN WATER.

SECTION 13

DISPOSAL

WASTE DISPOSAL: RECYCLING IS ENCOURAGED, LANDFILL OR INCINERATION IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14

TRANSPORT INFORMATION

DOT HAZARD CLASS: NA
SHIPPING NAME: NA
SECTION 15A
REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION:
(SARA TITLE III-TOXIC CHEMICALS LIST)

THIS PRODUCT CONTAINS NO KNOWN TOXIC CHEMICALS SUBJECT TO THE
REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND

STATE RIGHT TO KNOW LAWS

NO SUBSTANCES ON THE STATE HAZARDOUS LIST, FOR THE STATES INDICATED
BELOW, ARE USED IN THE MANUFACTURE OF PRODUCTS ON THIS MATERIAL
SAFETY DATA SHEET, WITH THE EXCEPTIONS INDICATED. WHILE WE DO NOT
SPECIFICALLY ANALYZE THESE PRODUCTS, OR THE RAW MATERIALS USED IN THEIR
MANUFACTURE, FOR SUBSTANCES ON VARIOUS STATE HAZARDOUS SUBSTANCES
LISTS, TO THE BEST OF OUR KNOWLEDGE THE PRODUCTS ON THIS MATERIAL
SAFETY DATA SHEET CONTAIN NO SUCH SUBSTANCES EXCEPT FOR THOSE
SPECIFICALLY LISTED BELOW:

PENNSYLVANIA:

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A
CONCENTRATION OF 1% OR MORE: NONE KNOWN.

SUBSTANCES ON THE PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCES LIST
PRESENT AT A CONCENTRATION OF 0.01% OR MORE: NONE KNOWN.

CALIFORNIA PROPOSITION 65:

SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: NONE
KNOWN.

SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR
OTHER REPRODUCTIVE HARM: NONE KNOWN.

SECTION 15B
LABELING INFORMATION

| HEALTH | 1 |
| FLAMMABILITY | 0 |
| REACTIVITY | 0 |
| PPE | A |
| ACUTE | *CHRONIC |
SECTION 16

MISCELLANEOUS INFORMATION

Reviewed by: Michael Yohn

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Supersedes: 01-March-2012

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NA = Not applicable
NE = Not established.
> = New or revised information in this section when " > " appears in the left margin.

END OF MSDS