



MATERIAL SAFETY DATA SHEET

MSDS# 2700

SECTION 1

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

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

MATERIAL IDENTIFICATION

PRODUCT NAME: **CELAZOLE**

CHEMICAL NAME: **POLYBENZIMIDAZOLE POLYMER**

CAS NO.: **25928-81-8**

PRODUCT USE: **ENGINEERING POLYMER STOCK SHAPE FOR SUBSEQUENT FABRICATION.**

TSCA INVENTORY STATUS: **ALL REPORTABLE INGREDIENTS ARE LISTED IN THE TSCA CHEMICAL SUBSTANCE INVENTORY.**

SECTION 2

HAZARDOUS INGREDIENTS

THIS PRODUCT IS NOT REGULATED UNDER THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200 OR SARA TITLE III.

SECTION 3

HEALTH HAZARD DATA

ACUTE OR IMMEDIATE EFFECTS: ROUTES OF ENTRY AND SYSTEMS.

INGESTION: **NOT A PROBABLE ROUTE OF EXPOSURE.**

SKIN: **MOLTEN POLYMER CAUSES THERMAL BURNS.**

EYE: **MECHANICAL IRRITATION ONLY.**

INHALATION: **SHAPES NOT RESPIRABLE BUT MACHINING MAY GENERATE A NUISANCE DUST WHICH CAN CAUSE MECHANICAL IRRITATION TO THE EYES, SKIN, NOSE AND THROAT.**

SECTION 4EMERGENCY 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.
- If molten polymer contacts skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention to thermal burn.

CHRONIC EFFECTS: CHRONIC INHALATION OF DUST CAN HARM THE LUNGS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY THIS MATERIAL: NONE KNOWN.

SECTION 5FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: NOT APPLICABLE.

UNUSUAL FIRE, EXPLOSION HAZARDS: NONE.

HAZARDOUS DECOMBUSTION PRODUCTS: CELAZOLE BEGINS TO DECOMPOSE ABOVE 500°C AND RELEASES GASES AND VAPORS (WITHOUT SMOKE) SUCH AS CARBON MONOXIDE, CARBON DIOXIDE AND TYPICAL COMBUSTION PRODUCTS.

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: CELAZOLE DOESN'T BURN; USE EXTINGUISHING MEDIA APPROPRIATE TO THE SURROUNDING FIRE.

SECTION 6ACCIDENTAL RELEASES

SPILL OR RELEASE: CLEAN UP BY VACUUMING OR SWEEPING TO PREVENT FALLS.

SECTION 7STORAGE CONDITIONS

Dry storage. Keep containers closed to prevent contamination.

SECTION 8PROTECTION INFORMATION

EYE: Safety glasses are recommended to prevent particulate matter from entering eyes while grinding or machining.

SKIN: Protective gloves are required when handling hot polymer. Also, long sleeve cotton shirt and long pants if handling molten polymer.

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.

RESPIRATOR: If dust is generated and ventilation is inadequate, use NIOSH/MSHA certified respirator which will protect against dust.

SECTION 9PHYSICAL/CHEMICAL DATA

APPEARANCE: STOCK SHAPE IS BLACK IN COLOR AND MAY BE IN THE FORM OF ROD, PLATE, OR TUBING.

ODOR: ESSENTIALLY ODORLESS.

MELTING POINT: NONE.

SOLUBILITY IN WATER: INSOLUBLE.

VOLATILE CONTENT %: NONE.

SPECIFIC GRAVITY: 1.28 - 1.33

SECTION 10HAZARDOUS REACTIVITY

STABILITY AT ROOM TEMPERATURE: **STABLE.**

SECTION 11TOXICOLOGICAL INFORMATION

CARCINOGENICITY: **THIS PRODUCT IS NOT LISTED IN NTP, IARC OR OSHA AS A CARCINOGEN.**

SECTION 12ECOLOGICAL INFORMATION

AQUATIC TOXICITY: **Toxicity is expected to be low based on insolubility of polymer in water.**

SECTION 13DISPOSAL

SPILL OR RELEASE: **Clean up by vacuuming or wet sweeping to minimize dust exposure.**

WASTE DISPOSAL: **Recycling is encouraged, Landfill or incineration in compliance with Federal, State, and Local regulations.**

SECTION 14TRANSPORT INFORMATION

DOT HAZARD CLASS: **NA**
SHIPPING NAME: **NA**

**SECTION 15
REGULATORY INFORMATION**

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

This product contains the hazardous chemicals mentioned in SECTION 2 of this MSDS for routine annual "TOXIC CHEMICAL RELEASE REPORTING" of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372.

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.**

HMIS RATING

Health	0
Flammability	1
Reactivity	0
PPE	A
#Acute *Chronic	

SECTION 16MISCELLANEOUS INFORMATION

Dennis Warner, NA QESH Manager

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Supersedes: **August 28, 2001**

Rev. 00

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of Quadrant EPP, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. Quadrant EPP makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefor.

NA = Not applicable

NE = Not established.

> = New or revised information in this section when " > " appears in the left margin.

END OF MSDS