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SECTION I - PRODUCT AND COMPANY IDENTIFICATION

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TRADE NAME: RTP PA6 HI BLK  
CAS NUMBER: MIXTURE  
EC NUMBER: MIXTURE

MANUFACTURER: RTP COMPANY  
580 EAST FRONT STREET  
WINONA MN 55987

Information Phone: 1-507-454-6900  
Emergency Phone: 1-507-454-6900

PREPARED BY: MARI MUELLER  
DAVID SCHNEIDER

MSDS COORDINATOR  
MSDS MANAGER

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SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

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PRODUCT CLASS: NYLON 6

CHEMICAL NAME AND SYNONYMS: Nylon 6, Polyamide 6,  
Polycaprolactam.

HAZARDOUS INGREDIENTS	CAS #	WEIGHT %	EXPOSURE LIMITS ACGIH/TLV OSHA/PEL	VP mmHG
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\*\*\* All components of this product are either listed on or exempt  
from listing on the TSCA Inventory.

(No hazardous ingredients subject to reporting under the Toxic Chemical  
Release Inventory (SARA 313) are known at this time.)

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SECTION III - HAZARDS IDENTIFICATION

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HAZARD RATINGS: Health: 0 Fire: 1 Reactivity: 0 PPI: A

## PERMISSIBLE EXPOSURE LEVEL:

This is a polymeric compound. All ingredients are encapsulated  
by the polymer and present no likelihood of exposure under  
normal conditions of processing and handling.

## EFFECTS OF OVEREXPOSURE:

## ACUTE OR IMMEDIATE EFFECTS:

INGESTION: Not a probable route of exposure.

SKIN: Pellets are not likely to cause irritation.

Contact with molten material may cause thermal burns.

Processing fumes may cause irritation.

EYE: Solid/dust may cause irritation due to mechanical action.

Processing fumes may cause irritation.

(cont.)

SECTION III - HAZARDS IDENTIFICATION (cont.)

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EFFECTS OF OVEREXPOSURE: (cont.)

INHALATION: Processing fumes may cause irritation to the respiratory tract.  
CHRONIC EFFECTS: None known for this compound.

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SECTION IV - FIRST AID MEASURES

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FIRST AID:

EYES: Flush with water. Consult physician if symptoms persist.  
SKIN: Wash with soap and water. For thermal burns, immediately flush with cold water. Do not attempt to remove polymer from skin. Obtain medical attention.  
INHALATION: Leave exposed area and seek fresh air. If irritation persists seek medical attention.

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SECTION V - FIREFIGHTING MEASURES

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FLAMMABILITY CLASS: 1      FLASH POINT: None      LEL: None      UEL: None

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EXTINGUISHING MEDIA:

Water spray and foam. Water spray is preferred.  
Dry chemical and CO2 are not generally recommended due to their lack of cooling capacity which may allow re-ignition.

SPECIAL FIREFIGHTING PROCEDURES:

Persons exposed to products of combustion should wear NIOSH approved self contained breathing apparatus and full protective equipment.

UNUSUAL FIRE & EXPLOSION HAZARDS:

This compound has no unusual fire or explosion hazards.

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SECTION VI - ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Spilled pellets may cause a slipping hazard. Sweep area as needed.

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SECTION VII - HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in a dry, sprinkler equipped warehouse.  
(cont.)

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**SECTION VII - HANDLING AND STORAGE (cont.)**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: (cont.)**

Product as shipped is not a combustible dust. Mechanical handling can cause the formation of dusts. To reduce the risk for dust explosion do not permit dust to accumulate.

**OTHER PRECAUTIONS:**

Proper purging and shut down procedures should be followed to avoid overheating of this compound.

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**SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**RESPIRATORY PROTECTION:**

A NIOSH approved respirator is recommended for protection against processing fumes, or from dust generated from grinding, sanding, or sawing operations.

**VENTILATION:**

Local exhaust is preferred.

**PROTECTIVE GLOVES:**

Canvas or cotton gloves are recommended.

**EYE PROTECTION:**

Safety glasses with side shields are recommended.

**OTHER PROTECTIVE EQUIPMENT:**

None.

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**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING RANGE: None

EVAP. RATE: Unavailable

VAPOR DENSITY: Non Volatile

SPECIFIC GRAVITY: 1.1

VOLATILES: volume %: N/AP weight %: N/AP

APPEARANCE: Cylindrical Pellets No Odor

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**SECTION X - STABILITY AND REACTIVITY**

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STABILITY:  Unstable  Stable

HAZARDOUS POLYMERIZATION:  May Occur  Will Not Occur

**INCOMPATIBILITY:**

Strong acids, bases, and oxidizing agents.

**CONDITIONS TO AVOID:**

Avoid temperatures above 300 C (572 F).

SECTION X - STABILITY AND REACTIVITY (cont.)

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HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, ammonia, and trace amounts of aldehydes and hydrogen cyanide.

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SECTION XI - TOXICOLOGICAL INFORMATION

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TOXICITY DATA:

No specific toxicological information is available.

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SECTION XII - ECOLOGICAL INFORMATION

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ECOTOXICITY:

No specific ecological information is available. This material is considered to be non-biodegradable.

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SECTION XIII - DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:

The pellets, regrind, and purge of this material are non-hazardous and may be discarded in accordance with state, federal, and local regulations.

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SECTION XIV - TRANSPORT INFORMATION

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D.O.T. SHIPPING INFORMATION:

Not regulated under US Department of Transportation.

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SECTION XV - REGULATORY INFORMATION

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SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372:

NONE

SECTION XVI - OTHER INFORMATION

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