



Material Safety Data Sheet

MATERIAL SAFETY DATA SHEET

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I. PRODUCT IDENTIFICATION

PRODUCT NAME: **PYRON®**

SYNONYMS: N/A

CHEMICAL FAMILY: Oxidized / Stabilized Polyacrylonitrile Fiber

II. OSHA REGULATED COMPONENTS

| COMPONENT | CAS NO. | % | TWA/CEILING | REFERENCE |
|-----------|-------------|---|--|-----------|
| Pyron | 308060-39-1 | | No permissible exposure limits (PEL/TLV) have been established by OSHA or ACGIH. | |

III. HAZARD RATING

IV. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY (H₂O = 1): greater than or equal to 1.35 g/cc

MELTING POINT: N/A

EVAPORATION RATE (Butyl Acetate = 1): N/A

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Black, odorless fiber

V. FIRE & EXPLOSION HAZARD DATA

FLASHING POINT: N/A

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Normal firefighting procedures.

SPECIAL FIREFIGHTING PROCEDURES: Self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS: Pyron is inherently flame resistant. Exposure to flame will produce low levels of HCN, NH₃, CO, CO₂, and Acrylonitrile.



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VI. REACTIVITY DATA

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STABILITY: Stable

CONDITIONS TO AVOID: Oxidation reaction may occur when exposed to air at temperatures above 500°F generating low levels of HCN, NH₃, CO, CO₂, and Acrylonitrile

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None generated under normal storage or handling conditions. Low levels of HCN, NH₃, CO, CO₂, and Acrylonitrile with exposure to flame.

HAZARD POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VII. HEALTH HAZARD DATA

| ROUTE(S) OF ENTRY: | INHALATION | SKIN | INGESTION | EYES |
|--------------------|------------------------------|------|-----------|------|
| | In some cases see Sec. VIII. | No | No | No |

HEALTH HAZARDS: None known.

CARCINOGENICITY: No

SIGNS & SYMPTOMS OF EXPOSURE: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

EMERGENCY & FIRST AID PROCEDURES: Wash with soap & water.

VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: No special procedures required.

WASTE DISPOSAL METHOD: Sanitary landfill sites - industrially approved. Consult local, state, and federal agencies prior to disposal of this material.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: None.

OTHER PRECAUTIONS: None



IX. CONTROL MEASURES

RESPIRATORY PROTECTION: Normal industrial hygiene practices (dust mask)

VENTILATION: Normal industrial hygiene practices (local exhaust for air born materials)

PROTECTIVE GLOVES: Normal industrial hygiene practices (gloves if desired)

EYE PROTECTION: Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK/HYGIENIC PRACTICES: Normal Industrial Hygiene practices; Gloves (Tyvek) and NIOSH approved nuisance dust masks. Before eating, drinking, or smoking wash hands and face thoroughly with soap and water.

X. DOT SHIPPING INFORMATION

PROPER SHIPPING NAME: Not applicable/not regulated

HAZARD CLASS: Not applicable

UN/NA: Not applicable

D.O.T. HAZARDOUS SUBSTANCES: Not applicable
(Reportable Quantity of Product)

D.O.T. LABEL REQUIRED: Not applicable

XI. TSCA INFORMATION

This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C.

XII. ENVIRONMENTAL INFORMATION

The following components are defined as toxic chemicals subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 or subject to other EPA regulations.

| COMPONENT | CAS NO. | % | SARA TITLE III | | RCRA | TSCA 12B |
|---|---------|---|----------------|-----------|------|----------|
| | | | TEQ (lbs.) | PO (lbs.) | | |
| This product does not contain any components regulated under these sections of the EPA. | | | | | | |

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA

Not Applicable under SARA TITLE III.

