

# Safety Data Sheet

ARAMID 900 Series

SDS No. 16050.0

Date of Preparation: 3/21/16

Revision: 4/29/16

## Section 1 - Chemical Product and Company Identification

**Product:** ARAMID 900 Series

**Manufacturer:** Marshall Additive Technologies

Division of the R. J. Marshall Company

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**Emergency Phone:** (800) 424-9300

**Date Revised:** 4/29/16

**Preparer:** Stephanie Nichols

## Section 2 - Hazards Identification

**Classification of the chemical in accordance with paragraph (d) of 1910.1200:** Hazardous

Carcinogenicity: 1A

STOT SE 1

**Signal Word:** Danger



**Pictogram:**

**Hazard Statements:** May cause cancer by inhalation

**Precautionary Statements:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash hands thoroughly after handling.

Do not eat, drink, or smoke when using this product.

If exposed or concerned: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local regulations.

**HMIS**

**H** 1

**F** 1

**R** 0

**PPE**<sup>†</sup>

<sup>†</sup>Sec. 8

**Hazards not otherwise classified:** Processing para-aramid products can release dust and respirable fiber particulate. High concentrations of dust can irritate eyes, nose, and respiratory system and cause coughing and sneezing. Continual rubbing of fiber particulates and dust on the skin can cause a transitory, mild irritation with redness or itching.

## Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	Weight %
Quartz (fine fraction)	14808-60-7	0.1-1.0

There are no other hazardous components in this product.

## Section 4 - First Aid Measures

**Description of necessary measures, subdivided according to the different routes of exposure:**

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.

**Skin contact:** Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Give 100-200 ml of water to drink. If symptoms develop, obtain medical attention.

**Most important symptoms/effects, acute and delayed:**

**Inhalation:** May cause irritation to the respiratory tract.

**Skin contact:** Repeated and/or prolonged skin contact may cause irritation.

**Eye contact:** May cause eye irritation.

**Indication of immediate medical attention and special treatment needed, if necessary:** None

## Section 5 - Fire-Fighting Measures

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to the surrounding fire.

**Unsuitable Extinguishing Media:** None

**Specific hazards arising from the chemical:** Hazardous decomposition products formed under fire conditions. Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6 - Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment as required. Avoid contact with skin and eyes. Do not breathe dust.

**Methods and materials for containment and clean up:** Avoid dust formation. Clean up dust and fiber with high efficiency particulate air (HEPA) filtered vacuum equipment or by wet cleaning. Do not dry sweep dust.

## Section 7 - Handling and Storage

**Precautions for safe handling:** Avoid generating dust during handling. Keep contents moist. Take necessary action to avoid static electricity discharge.

**Conditions for safe storage:** Keep away from direct sunlight. Do not allow to dry. Keep contents moist. Keep tightly closed.

## Section 8 - Exposure Controls / Personal Protection

### Engineering Controls:

**Ventilation:** Use only with adequate ventilation. Avoid dust generation. Recirculated air should be filtered to remove respirable dust. Provide for appropriate exhaust ventilation and dust collection at machinery. Static charges can cause explosions in solvent and dust laden atmospheres. Provide grounding of equipment to prevent static build-up.

### Administrative Controls:

**Respiratory protection:** Dust make or respirator. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection:** Wear chemically resistant protective gloves.

**Eye protection:** Chemical goggles or safety glasses.

**Skin protection:** Use chemically protective clothing.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Quartz (fine fraction)	0.1 mg/m <sup>3</sup>	None	0.025 mg/m <sup>3</sup> respirable	None

## Section 9 - Physical and Chemical Properties

**Appearance:** off-white

**Odor:** odorless

**Odor Threshold:** not applicable

**pH:** not applicable

**Freezing/Melting Point:** does not melt

**Boiling Point:** does not boil

**Flash Point:** not applicable

**Flash Point Method:** not applicable

**Evaporation Rate:** not applicable

**Flammability:** not applicable

**Upper/lower flammability limits:** not applicable

**Vapor Pressure:** not applicable

**Vapor Density (Air=1):** not applicable

**Relative Density:** 2.6

**Water Solubility:** insoluble

**Other Solubilities:** not determined

**partition coefficient: n-octanol/water:** not applicable

**Auto-ignition Temperature:** Not determined.

**Decomposition temperature:** Thermal decomposition >300°C (>572°F)

**Viscosity:** not applicable

## Section 10 - Stability and Reactivity

**Reactivity:** This product is stable at room temperature in closed containers under normal storage and handling conditions.

**Chemical Stability:** Stable under normal or recommended handling and storage conditions.

**Possibility of hazardous reactions:** no data available.

**Conditions to Avoid:** Dust formation.

**Incompatible materials:** Strong acids and strong bases.

**Hazardous Decomposition Products:** Hazardous thermal decomposition products: nitrogen oxides (NO<sub>x</sub>), hydrocarbons, aldehydes, hydrogen cyanide (hydrocyanic acid), carbon monoxide, anhydrous ammonia.

**Section 11- Toxicological Information**

**Information on likely routes of exposure:** Skin, eyes, inhalation.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

**Eye:** May cause slight mechanical irritation.

**Skin:** Repeated and/or prolonged skin contact may cause irritation.

**Inhalation:** May cause irritation to the respiratory tract.

**Ingestion:** None known.

**Delayed and immediate effects and also chronic effects from short- and long-term exposure:** Effects of breathing high concentration of respirable particles may include: Risk of serious damage to the lungs (by inhalation).

**Numerical measures of toxicity:**

Acute toxicity: Not classified

Skin irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Class 1

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

**Carcinogenicity:** IARC and NTP has listed quartz as a human carcinogen. Quartz is not listed by OSHA as a carcinogen.

**Section 12 - Ecological Information**

**Eco-toxicity:** not applicable

**Persistence and degradability:** non-biodegradable

**Bio-accumulative potential:** not applicable

**Mobility in soil:** not applicable

**Results of PBT and vPvB assessment:** not applicable

**Other adverse effects:** none

**Section 13 - Disposal Considerations**

**Disposal:** Dispose as solid waste in sanitary landfill or incinerate according to Federal, State, and local regulations. Do not flush to surface waters or to sanitary sewer systems.

**Section 14 - Transport Information**

**DOT Transportation Data (49 CFR 172.101):** Not classified as dangerous.

**UN Number:** not classified as dangerous goods

**UN proper shipping name:** not classified as dangerous goods

**Transport hazard classes:** None

**Packaging group:** None

**Environmental hazards:** None

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** No hazardous goods.

**Special precautions for user:** None

**Section 15 - Regulatory Information****EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)  
RCRA Hazardous Waste Classification: Not classified  
CERCLA Hazardous Substance (40 CFR 302.4) Not listed  
SARA Toxic Chemical (40 CFR 372.65): Not listed  
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

**Proposition 65 (California):** None

**TSCA**

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

**INTERNATIONAL INVENTORIES:**

Canada: WHMIS classification: Class D Division 2 Subdivision A-very toxic material causing other toxic effects  
China IECSC: Listed  
Japan ENCS: Listed  
Korea ECL: Listed  
New Zealand: Listed  
Philippines PICCS: Listed  
Taiwan NECI: Listed

**Section 16 - Other Information**

**Prepared By:** Stephanie Nichols

**Revision Notes:** Added AR991

**Product Grades Available from the R. J. Marshall Company** (this list may be incomplete):

AR990	AR991
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