Safety Data Sheet

Section 1: Identification

Manufacturer:
West American Rubber Company, LLC
1337 W. Braden Court
Orange, CA 92868
Tel: 714 – 532 – 3355 Fax: 714 – 532 - 2238 Email: sales@warco.com

Product Group:	Aerospace Material Specification (AMS)
Trade Name:	70P452
Chemical Name:	Acrylonitrile-butadiene rubber
Product Use:	Vulcanized Rubber

Section 2: Hazards Identification

Hazard Classification:	Eye Irritation Category 2B and Carcinogenicity Category 1
Signal Word	Danger
Hazard Statement(s):	(H320) Causes Eye Irritation (H350) May Cause Cancer
Precautionary Statement(s):	(P202) Do not handle until all safety precautions have been read and understood (P264) Wash hands thoroughly after handling (P280) Wear eye protection (P305) If in eyes, rinse thoroughly (P313) Get medical attention (P337) If Eye irritation persists contact physician (P338) Remove contact lenses if present and easy to do and continue rinsing (P351) Rinse cautiously with water for several minutes (P308) If exposed or concerned: Get medical attention (P501) Dispose contents / container in accordance with local regulations
Symbols:	

Rubber compounds generally do not pose a health hazard unless heated. Under normal conditions of processing and use, exposure to the chemical constituents in this product is unlikely. All ingredients are tightly bound in a polymeric matrix that has a negligible vapor pressure so there is a low potential for inhalation or ingestion of ingredients. Like most high-molecular weight polymers, this product is not known to exhibit any adverse acute or chronic health effects

Potential Health Effects	
Inhalation:	Grinding and sanding of this product may generate particles (dust) which may irritate the throat and respiratory tract, cause coughing. In addition, burning of this material may cause respiratory tract irritation with coughing, difficulty breathing, and/or shortness of breath.
Eye Contact:	Grinding and sanding of this product may produce particles (dust) which may irritate the eyes. Decomposition products may cause eye irritation. Contact with hot material may cause thermal burns which may result in permanent damage.
Skin Contact:	Prolonged or repeated skin contact may cause irritation. Contact with hot material may cause thermal burns which may result in permanent damage.
Ingestion:	No adverse effects due to ingestion are expected.

Section 3: Composition / Information on Ingredients

Component:	**CAS No.**	**Percent Composition**
Poly(acrylonitrile-co-butadiene)	9003-18-3	N/A
*Proprietary Blend	N/A	N/A

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4: First Aid Measures

Primary Routes of Entry:	Inhalation of fumes or smoke when heated. Eye irritation when manipulated into finer particles. Ingestion not likely due to form and use.
Symptoms:	Excessive contact with airborne particles from the grinding process may cause drying of the mucous membranes of the nose, eyes, and throat and eye irritation.

First Aid Procedures:	Immerse skin in cool water. DO NOT attempt to remove polymer from skin as this can cause further damage. Get immediate medical attention. Inhalation: Remove to fresh air Prompt medical attention is required if decomposition products are inhaled. Eye: Flush with water for 15 minutes. Seek medical attention if necessary.

Section 5: Fire Fighting Measures

Extinguishing Media:	Water and Foam
Special Fire Procedures:	Use self-contained breathing apparatus and standard fire-fighting PPE
Unusual hazards:	Combusting of this material may produce carbon monoxide and / or carbon dioxide

Section 6: Accidental Release Measures

Spills:	Sweep up for disposal or reprocessing as appropriate
Personal Precautions:	No additional precautions required
Protective Equipment:	See Section 8 for personal protective equipment
Emergency Procedures:	Due to form and hazards, none necessary

Section 7: Handling & Storage

Precautions for Safe Handling & Storage:	Avoid inhalation of any dusts produced and contact with skin and eyes. Always store away from direct sources of heat in closed containers to prevent contamination. Avoid strong oxidizing agents. Do not breathe fumes produced at elevated temperatures. Observe good industrial hygiene practices when handling / using.
Incompatibility:	In general, elastomers are incompatible with strong oxidizing agents

Section 8: Exposure Controls & Personal Protection

Rubber compounds generally do not pose a health hazard unless heated. Under normal conditions of processing and use, exposure to the chemical constituents in this product are unlikely. Industrial hygiene monitoring may evaluate for particulates if material is mechanically manipulated.

Component	CAS No.	Exposure Limits
Rubber Particulate		**OSHA PEL:** TWA 15 mg/m^3 (total dust), TWA 5 mg/ m^3 (resp dust) **ACGIH TLV:** TWA 10 mg/m^3 (total dust), TWA 3 mg/ m^3 (resp dust)
Engineering Controls:	Exhaust ventilation sufficient to eliminate airborne concentration of rubber particulate from the grinding operations should be utilized. Curing equipment should be ventilated to prevent exposure to fumes produced from the vulcanization process.	
Personal Protective Equipment:	A dust mask to reduce exposure to airborne particles is recommended for rubber grinding. Eye protection is also advisable	

Section 9: Physical and Chemical Properties

Appearance:	Solid. Black
Odor:	Characteristic Rubber Odor
Odor Threshold:	No Data Available
pH:	Not Applicable
Melting Point / Freezing Point:	No Data Available
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Evaporation Rate:	Not Applicable
Flammability	No Data Available
Upper / Lower Flammable Limits:	Not Available
Vapor Pressure:	Not Applicable
Vapor Density:	Not Applicable
Specific Gravity:	1.26
Solubility:	Insoluble in water
Partition Coefficient:	Not Applicable
Auto-ignition Temperature:	No Data Available
Viscosity:	No Data Available

Section 10: Stability and Reactivity

Reactivity:	Not Applicable

Chemical Stability:	Stable under normal temperature conditions and recommended use.
Hazardous Reactions:	Will not occur. The product is fully polymerized
Conditions to Avoid:	Oxidizing agents
Incompatible Materials:	In general elastomers are incompatible with Strong oxidizing agents and Reducing agents
Hazardous Decomposition Products:	Alcohols, Aldehydes, Carbon Dioxide, Carbon Monoxide, Hydrocarbons, Hydrogen Chloride

Section 11: Toxicological Information

Primary Routes of Entry:	Inhalation of fumes or smoke when heated Eye irritation when manipulated into finer particles Ingestion not likely due to form and use
Symptoms:	Excessive contact with airborne particles from the grinding process may cause drying of the mucous membrane of the nose, eye, throat, and eye irritation.
Delayed and Immediate Effects:	None determined beyond symptoms described above
Toxicology Data:	There is no Toxicology data on the finished material.
Carcinogenicity Data:	The rubber industry is listed as an exposure circumstance that is known to be carcinogenic to humans (Group 1). IARC, NTP, or OSHA list some of the thermal decomposition products that may be produced at elevated temperatures as confirmed human carcinogens.

Because this material does not evaporate readily, is not easily absorbed through human skin, and is not likely to be ingested, it is not expected to produce such effects in humans through inhalation or skin exposure when handled in a manner consistent with the precautionary measures contained in the safety data sheet.

Section 12: Ecological Information

Dues to its negligible solubility and inert properties, this product does not present an ecological concern during normal handling and use.
Ensure wastes are discarded in an appropriate manner in accordance with federal, state, and local regulations

Section 13: Disposal Considerations

General Information:	Dispose of waste and residues in accordance with local authority requirement.
Disposal Methods:	No specific disposal method required
Container:	Since empty containers retain product residue, follow label warnings even after container is emptied.

Section 14: Transportation Information

DOT:	Not Regulated
TDG:	Not Regulated
IATA:	Not Regulated
IMDG:	Not Regulated

Section 15: Regulatory Information

CERCLA Hazardous Substance List (40 CFR 302.4):	None
SARA Title III Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):	None
SARA Title III Section 311 / 312 (40 CFR 370):	Chronic (Delayed)

SARA Title III Section 313 Toxic Release Inventory (40 CFR 372)

Chemical Name:	**CAS No.:**	**Concentration:**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

Chemical Name:	**CAS No.:**	**Concentration:**

Canadian Controlled Products Regulations:	This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the SDS contains all required information.
WHMIS Classification	D2A

Section 16: Other Information

Hazard Ratings

NFPA	**Health Hazard**	**Fire Hazard**	**Reactivity Hazard**	**Special Hazard**
	1	1	0	-

HMIS	**Health Hazard**	**Fire Hazards**	**Reactivity Hazard**	**Special Hazards**
	1	1	0	A

WARCO makes no representation or warranty with respect to the information in the Safety Data Sheet. The information is however, as of this date provided, true and accurate to the best of our knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than, or in addition to, that which is provided herein.