30012 -

HEXPOL Compounding **CB**
Burton Rubber Processing
Polymers Code: 74860-4 (2)

Material Safety Data Sheet

QUICK IDENTIFIER (In-Plant Common Name or Customer Number) 25330

Manufacturer's Name	HEXPOL COMPOUNDING BURTON RUBBER PROCESSING	Emergency Telephone No.	**(440) 834-4644 or (901) 285-4353**
Address	**14330 Kinsman Road Burton, OH 44021**	Other Information Calls	(440) 834-4644 R&D Department
		Date Prepared	**10/19/11**

SECTION 1 - IDENTITY

Common Name (Used on label) (Trade Name & Synonyms)	**ASTM-E119-CLASS A**	CAS No.	**NA**
Chemical Name	**Polymeric mixture**	Chemical Family	**Polymeric mixture**
Formula	**Rubber Compound (Mixture)**		

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (Chemical & Common Name(s))

This MSDS applies to non-commercial compounds provided to HEXPOL Compounding-Burton Rubber Processing customers for evaluation purposes only. This material is a polymeric compound to which commercial reinforcing agents, fillers, stabilizers, vulcanizing agents, lubricants, processing aids, and plasticizers may have been added. This compound contains Carbon Black, which is listed by IARC as a Group 2B carcinogen. These compounds are in the unvulcanized form. This experimental mixture has not been evaluated as a whole. All ingredients are bound in a polymer matrix and potential for hazardous exposure as shipped is minimal. However, some gases or vapors may be released upon heating or vulcanization and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respirator program, etc.) to protect employees from exposure. (See Section 7 - Special Precautions). Possible hazards of the components may include irritants, sensitizers, highly toxic and toxic materials, corrosives, target organ effects, and carcinogens therefore prudent laboratory practices should be used. If symptoms of exposure persist contact the EH&S department at the above emergency telephone number.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point	**NA**	Specific Gravity (H_20=1)	**NA**	Vapor Pressure (mm Hg)	**NA**
Percent Volatility Volume (%)	**NA**	Vapor Density (Air=1)	**Solid**	Evaporation Rate	**Solid**
Solubility in Water	**Insoluble**			Reactivity in Water	**NONE KNOWN**
Appearance and Odor	**Experimental Elastomers Compounds are supplied in solid form and are typically black in color but can vary depending on the formulation. Typically there is mild odor but may have peroxide, petroleum, or pinetar odors.**				

Flash Point	**Unknown**	Flammable Limits in Air % by Volume	**NA**	Lower	Upper	Extinguisher Media	**All Common**	Auto-Ignition Temperature	**Unknown**

Special Fire Fighting Procedures	**Self-contained breathing apparatus should be worn to prevent inhalation of smoke and decomposition products.**
Unusual Fire and Explosion Hazards	**None Known**

SECTION 4 - PHYSICAL HAZARDS PRODUCT: ASTM-E119-CLASS A

Stability	Unstable		Conditions
	Stable	X	To Avoid
Incompatibility (Materials to Avoid)	**None Known**		
Hazardous Decomposition Products	**Gases and/or vapors produced when noncommercial compounds are heated to decomposition temperatures will depend on the specific formulation. Typical fumes and vapors from the experimental elastomer may contain, but are not limited to, oxides of carbon, nitrogen, zinc, phosphorous, antimony, and / or sulfur, hydrogen bromide, hydrogen cyanide, hydrogen fluoride, hydrochloric acid, antimony chloride, antimony bromide, acetic acid, acrylates, silicon dioxide, and aromatic and aliphatic hydrocarbons.**		
Hazardous Polymerization	May Occur		Conditions
	Will Not Occur	X	To Avoid

SECTION 5 - HEALTH HAZARDS (See Section 2)

Possible routes of entry include skin & eye contact, inhalation of process vapors, and ingestion. Experimental compounds are supplied in solid form and are not expected to result in overexposure at ambient temperatures. No adverse health effects are expected during normal processing when potential exposures are eliminated by good industrial hygiene practices and well ventilated conditions. At processing temperatures, the combined ingredients may emit fumes and vapors that may cause irritation to the eyes, skin, nose, throat, and respiratory tract. Processing under conditions of inadequate ventilation may produce symptoms of nausea, dizziness, or headaches. Typically these effects are reversible upon removal from exposure and no lasting effects are expected.

Threshold Limit Value	**Not Established**	
Signs & Symptoms of Exposure	1. Acute Overexposure	**None Known**
	2. Chronic Overexposure	**Overexposure to decomposition or combustion products may cause irritation of the eyes, skin, and respiratory tract. Symptoms such as coughing, tearing, and irritation should be regarded as potentially hazardous and measures taken to avoid exposure.**
Medical Conditions Generally aggravated by Exposure	**None Known**	

Although this compound is not identified as a carcinogen, it may contain components known to NTP, IRAC and OSHA as carcinogens or suspect carcinogen.

OSHA Permissible Exposure Limit	**NA**	ACGIH Threshold Limit Value	**NA**	Other Exposure Limit Used	**NA**

Emergency and First Aid Procedures

1. Inhalation	**Consult physician if respiratory irritation occurs.**
2. Eyes	**Consult physician if irritation occurs.**
3. Skin	**Physical form should preclude any harmful effect from contact.**
4. Ingestion	**Consult physician.**

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)	**May be necessary if mechanical ventilation is insufficient.**						
Ventilation	**Yes**	Local Exhaust	X	Mechanical (General)	X	Special	Other
Protective Gloves	**Yes**			Eye Protection	**No**		
Other Protective Clothing or Equipment	**None**						

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: CAUTION: Nitrosamines - considered to be possible human carcinogens - may be formed during processing of rubber compounds. Mixing or contacting this product with nitrates or nitrites, as in salt bath curing, may produce hazardous levels of volatile nitrosamines. Avoid inhaling gases and/or vapors from hot rubber processing - especially during vulcanization.

Steps to be Taken in Case Material is Released or Spilled	**Scoop or shovel material and return to original container.**
Waste Disposal Methods	**Dispose of in Accordance with all local, state and federal regulations.**

SECTION 8 - REGULATORY INFORMATION

Consult individual component MSDSs or supplier for this information.

The user must determine whether a report is required to EPA for any amounts of this material disposed of or otherwise released into the environment.

NOTICE: This notification must remain attached to its accompanying MSDS. If the MSDS is copied or redistributed, a copy of this notification must also be attached.