

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health  
Administration (Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (as used on label  
and list): Kastalon Polyurethane

Note: Blank spaces are not permitted. If any item is not applicable,  
the space must be marked to indicate that.

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## SECTION I - MANUFACTURER INFORMATION

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Manufacturer's Name:	Kastalon Inc.	Emergency Telephone No.:	708-389-2210
Address:	4100 W. 124th Place	Telephone for Information:	708-389-2210
	Alsip, IL 60803-1876	Date Prepared:	April 1, 2011

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## SECTION II - HAZARDOUS INGREDIENTS / IDENTIFY INFORMATION

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Hazardous Components  
(Specify Chemical Identity): NOT APPLICABLE - Polyurethane elastomers are fully reacted polymers forming articles which are not considered hazardous under OSHA's Criteria 29 CFR 1910.1200. However, hazardous dusts, vapors, gases or fumes may be released buildup mechanical or thermal processing or by thermal decomposition.

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## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

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Boiling Point:	N/A	Specific Gravity (H <sub>2</sub> O = 1):	1.04 - 1.29
Vapor Pressure (mm Hg):	N/A	Melting Point:	380°F - 450°F May degrade above 300°F
Vapor Density (Air = 1):	N/A	Evaporation Rate:	N/A
Solubility in Water:	Insoluble	Appearance and Odor:	Solid, no odor

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used):	N/A	LEL:	N/A
Flammable Limits:	N/A	UEL:	N/A
Extinguishing Media:	Water fog, dry chemical, foam or carbon dioxide.		
Special Firefighting Procedures:	Evacuate non-emergency personnel to a safe area. Firefighters should use self-contained breathing apparatus. Avoid breathing smoke, fumes and decomposition products. Use water spray to quench smoldering elastomers. Product may melt after ignition to form flammable liquids. Burning produces intense heat, dense smoke and toxic gases, such as carbon monoxide, oxides of nitrogen and traces of hydrogen cyanide. Dusts from processing operations may be combustible.		

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## SECTION V - REACTIVITY DATA

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Stability:	Stable	Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	Strong acids or bases	Hazardous Polymerization:	Will not occur
Hazardous Decomposition or Byproducts:	Decomposition through burning produces fumes consisting of organic particulate. Gaseous hydrocarbons, carbon dioxide, carbon monoxide and may contain traces of toluene diisocyanate (TDI) or diphenylmethane diisocyanate (MDI), other isocyanates, curatives, hydrogen cyanide, acrolein and oxides of nitrogen.		

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## SECTION VI - HEALTH HAZARD DATA

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Routes of Entry:	Inhalation	Severity of Effect:	Mild
Length of Exposure:	Lifetime	Target Organs:	Lungs
Health Hazards (Acute and Chronic) LD <sub>50</sub> is greater than 5 g/kg (rats, oral)	Acute: None known from solid article. Fumes from hot wire cutting can be irritating and lead to coughing. These fumes could contain traces of TDI, MDI, other isocyanates and/or curatives. Exposure to isocyanates may produce an asthma-like reaction, with shortness of breath, wheezing or cough, which may occur after re-exposure to very low levels. Chronic: Animal studies indicate that chronic inhalation or overexposure of dusts may cause inflammation of the lungs, fibrosis and airway destruction.		
Severe Immediate Hazards:	Dusts from grinding operations may aggravate existing lung disorders when proper protection is not used.		
Carcinogenicity:	Not listed as a carcinogen	Signs and Symptoms of Exposure:	See Health Hazards
Emergency and First Aid Procedures:	For eyes: Flush with clean lukewarm water (low pressure) if dust from grinding causes irritation.		

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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Steps to be Taken in Case Material is Released or Spilled:	Pick up and handle as any other solid material.
Precautions to be Taken in Handling and Storage:	Handling: Cutting elastomer by hot wire, hot branding or other thermal processing can form decomposition products. Local exhaust ventilation should be used to remove any fumes. If isocyanates or curatives are emitted, ventilation must be sufficient to ensure levels below the TLV for TDI (.005 ppm TWA/.002 ppm STEL), MDI (.005 ppm TWA), other isocyanates and curatives. Storage: Store elastomers in areas equipped with sprinkler systems. Store away from sparks, flames or other ignition sources.
Ecological Data:	Under normal conditions: N/A

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## SECTION VIII - CONTROL MEASURES

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Respiratory Protection:	Use NIOSH approved respirator. For grinding operations, wear a dust respirator. If generating gas, vapor or fumes from hot wire, hot knife or other thermal processing operations, wear an air-purifying respirator with organic cartridge or supplied-air respirator if ventilation is inadequate.
Ventilation:	Local exhaust recommended for thermal processing operations, as required to reduce dust, gas and vapor fume exposure below OSHA levels.
Eye/Face Protection:	None required in normal use. For grinding operations, use safety goggles and face shield.
Other Protective Clothing:	None required

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## SECTION IX - TRANSPORTATION INFORMATION

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D.O.T. Shipping Name:	Not regulated
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## SECTION X - REGULATORY INFORMATION

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SARA Title III Hazard Class	None
SARA Title III, Section 313 Toxic Chemical:	Toxic chemicals present in quantities greater than the "de minimus" level are: none.