

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 3580 Bond  
Part A

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 Alsip, IL 60803-1876	Telephone for Information:	708-389-2210
		Date Prepared:	June 10, 2008

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## SECTION II - HAZARDOUS INGREDIENTS / IDENTIFY INFORMATION

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Hazardous Component:	Butyl glycidyl ether	Exposure Limits, ACGIH/TLV:	25 ppm
CAS No.:	2426-08-6	Exposure Limits, OSHA/PEL:	25 ppm
Weight Percentage:	1% - 10%	Vapor Pressure at 20°C:	1 mm Hg
		Flash Point:	130°F
Hazardous Component:	Epoxy Resin	Exposure Limits, ACGIH/TLV:	Not established
		Exposure Limits, OSHA/PEL:	Not established

This liquid product contains the following substance(s) identified by OSHA or the ACGIH as hazardous. During normal use the material will not present an exposure risk. Once the product has dried and is abraded or disturbed, dusting and exposure may occur.

Hazardous Component:	Silica - amorphous	Exposure Limits, ACGIH/TLV:	6 mg/m <sup>3</sup>
CAS No.:	7631-86-9	Exposure Limits, OSHA/PEL:	10 mg/m <sup>3</sup>
Weight Percentage:	1% - 10%		

This MSDS is prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not hazardous per this OSHA standard and are considered to be trade secrets of Kastalon Inc. Identities of trade secret ingredients will be made available following the procedures specified in this standard.

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## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

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Physical State:	Liquid	Viscosity:	3,500 cps
pH:	N/A	Specific Gravity (H <sub>2</sub> O = 1):	1.15 g/cm <sup>3</sup>
Boiling Point:	Not established	VOC:	90 g VOC/liter of material
% Solids by Weight:	Not established – This product contains volatile reactive components.	VOC, less water:	90 g VOC/liter of material, less water and exempt solvents.

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used):	100°F-199°F (SETA)
Extinguishing Media:	Water spray, dry chemical, foam or carbon dioxide.
Special Firefighting Procedures:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

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## SECTION V - REACTIVITY DATA

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Stability:	Stable	Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	Not established	Hazardous Polymerization:	Will not occur
Hazardous Decomposition or Byproducts:	Incomplete combustion can yield low molecular weight hydrocarbons and carbon monoxide.		

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## SECTION VI - HEALTH HAZARD DATA

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HMIS Rating, Health:	2	HMIS Rating, Flammability:	2
HMIS Rating, Reactivity:	0		
Health Hazards (Chronic):	No anticipated chronic effects.		
Signs and Symptoms of Exposure:	<i>For eyes:</i> Direct eye contact with the product may cause irritation. <i>For skin:</i> Butyl glycidyl ether is a dermal sensitizer. <i>For inhalation:</i> Inhalation of vapors may cause respiratory irritation. There are no known effects of exposure on other illnesses.		
Carcinogenicity:	This product does not contain regulated levels of NTP, IARC or OSHA listed carcinogens.		
Emergency and First Aid Procedures:	<i>For eyes:</i> Flush immediately with water for 15 minutes. Consult a physician if irritation persists. <i>For skin:</i> Wash affected area with soap and water. Launder contaminated clothing before reuse. <i>For inhalation:</i> Remove from exposure. Restore breathing if necessary. Keep warm and quiet. Call a physician.		

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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Precautions to be Taken in Handling and Storage:	Avoid skin contact with product at all times. Store in a cool, dry location.
Steps to be Taken in Case Material is Released or Spilled:	Wear rubber gloves and wipe up with absorbent material. Residue may be removed with chlorinated solvent.
Waste Disposal:	This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulation 40 CFR 261. State or local waste regulations may apply if they are different from the federal regulation. Incinerate or dispose of in an approved industrial landfill.

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## SECTION VIII – CONTROL MEASURES

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Respiratory Protection:	Not normally required.
Ventilation:	Standard industrial ventilation.
Eye/Face Protection:	Safety glasses.
Skin Protection:	Prevent contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

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## SECTION IX – TRANSPORTATION INFORMATION

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D.O.T. Shipping Name:	Adhesive	Technical Shipping Name:	Adhesive
D.O.T. Hazard Class:	Combustible liquid	U.N. / N.A. Number:	UN-1133
Product Label:	None	D.O.T. Label:	None
Product RQ (lb):	None	D.O.T. Placard:	None

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## SECTION X – REGULATORY INFORMATION

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TSCA

All components of this product are registered under the regulations of the Toxic Substances Control Act.

SARA Title III Hazard Class

None

SARA Title III, Section 313

Toxic chemicals present in quantities greater than the "de minimus" level are: none.

Toxic Chemical:

Massachusetts State Regulation: This product contains the following chemical(s) considered hazardous under Massachusetts 105 CMR 670.00 Right to Know:

Chemical Name:

N-butyl glycidyl ether

CAS No.:

2426-08-6

Weight Percentage:

7%

Material Safety Data Sheet  
May be used to comply with  
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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 3580 Bond  
Part B

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 Alsip, IL 60803-1810	Telephone for Information:	708-389-2210
		Date Prepared:	May 26, 1992

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## SECTION II - HAZARDOUS INGREDIENTS / IDENTIFY INFORMATION

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Hazardous Component:	Polyamide resin	Exposure Limits, ACGIH/TLV:	Not established
CAS No.:	N/A	Exposure Limits, OSHA/PEL:	Not established
Weight Percentage:	> 10%		
Hazardous Component:	Triethylenetetramine	Exposure Limits, ACGIH/TLV:	Not established
CAS No.:	112-24-3	Exposure Limits, OSHA/PEL:	Not established
Weight Percentage:	> 10%		

This MSDS is prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not hazardous per this OSHA standard and are considered to be trade secrets of Kastalon Inc. Identities of trade secret ingredients will be made available following the procedures specified in this standard.

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## SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

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Physical State:	Liquid	Viscosity:	5,500 cps
pH:	N/A	Specific Gravity (H <sub>2</sub> O = 1):	0.96 g/cm <sup>3</sup>
Boiling Point:	Not established	VOC:	0 g VOC/liter of material
% Solids by Weight:	100%	VOC, less water:	0 g VOC/liter of material, less water and exempt solvents.

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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Flash Point (Method Used): > 200°F (TCC)  
Extinguishing Media: Water spray, dry chemical, foam or carbon dioxide.  
Special Firefighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

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## SECTION V - REACTIVITY DATA

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Stability:	Stable	Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	Not established	Hazardous Polymerization:	Will not occur
Hazardous Decomposition or Byproducts:	Incomplete combustion can yield low molecular weight hydrocarbons and carbon monoxide.		

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## SECTION VI - HEALTH HAZARD DATA

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HMIS Rating, Health:	2	HMIS Rating, Flammability:	2
HMIS Rating, Reactivity:	0		
Health Hazards (Chronic):	No anticipated chronic effects.		
Signs and Symptoms of Exposure:	<i>For eyes:</i> Strong irritant. <i>For skin:</i> Skin contact will cause severe irritation. Strong dermal sensitizer. <i>For inhalation:</i> Inhalation of vapors may cause respiratory irritation. There are no known effects of exposure on other illnesses.		
Carcinogenicity:	This product does not contain regulated levels of NTP, IARC or OSHA listed carcinogens.		
Emergency and First Aid Procedures:	<i>For eyes:</i> Flush immediately with water for 15 minutes. Consult a physician if irritation persists. <i>For skin:</i> Wash affected area with soap and water. Launder contaminated clothing before reuse. <i>For inhalation:</i> Remove from exposure. Restore breathing if necessary. Keep warm and quiet. Call a physician.		

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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Precautions to be Taken in Handling and Storage:	Avoid skin contact with product at all times. Store in a cool, dry location.
Steps to be Taken in Case Material is Released or Spilled:	Wear rubber gloves and wipe up with absorbent material. Residue may be removed with chlorinated solvent.
Waste Disposal:	This product is a DOT corrosive. It does not, however, meet the RCRA definition of corrosive waste.

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## SECTION VIII – CONTROL MEASURES

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Respiratory Protection:	Not normally required.
Ventilation:	Standard industrial ventilation.
Eye/Face Protection:	Safety goggles. Have eye washes available.
Skin Protection:	Prevent contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

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## SECTION IX – TRANSPORTATION INFORMATION

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D.O.T. Shipping Name:	Corrosive liquid, NOS	Technical Shipping Name:	Epoxy curing agent
D.O.T. Hazard Class:	Corrosive material	U.N. / N.A. Number:	UN-1760
Product Label:	None	D.O.T. Label:	Corrosive
Product RQ (lb):	None	D.O.T. Placard:	None
Freight Class Bulk:	Not applicable	Freight Class Package:	None

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**SECTION X – REGULATORY INFORMATION**

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TSCA All components of this product are registered under the regulations of the Toxic Substances Control Act.

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.

Massachusetts State Regulation: This product contains the following chemical(s) considered hazardous under Massachusetts 105 CMR 670.00 Right to Know:

Chemical Name: Triethylenetetramine

CAS No.: 112-24-3

Weight Percentage: 11%