

MATERIAL SAFETY DATA SHEET

Anchor-Seal, Inc.

Section 1. Chemical Product and Company Identification	
Product name/ CA's Thin, Medium, Thick, Rubber Modified <i>Trade Name</i> <i>Manufacturer</i> Anchor-Seal, Inc. 54 Great Republic Drive Gloucester, MA 01930	<i>IN CASE OF EMERGENCY:</i> INFOTRAC: 1-800-535-5053 INFORMATION: 1-800-669-5217
<i>Date of Preparation:</i> 5/12/11	Replaces: 10/7/09
<i>Preparers Name</i> Peter E. Spinney	

Section 2. Composition, Information on Ingredients			
<i>Component Information</i>		<i>Exposure Limits</i>	
<i>Chemical Name:</i>	<i>CAS#</i>	<i>TLV (ppm) ACGIH</i>	<i>OSHA PEL, TWA</i>
Ethyl 2 Cyanoacrylate	7085-85-0	4 ppm	4 ppm
Polymethyl Methacrylate	9011-14-7	No Data	No Data

TLV™-Threshold Limit Value exposure (8 hour, time weighted average unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. PEL - OSHA Permissible Exposure Limit. N/E indicates that no exposure limit has been established.

Section 3. Hazards Identification	
Causes eye, skin and respiratory tract irritation. Bonds skin rapidly. May cause skin burns.	
Primary Routes of Exposure: X Skin contact X Eye Contact X Inhalation X Ingestion	
Routes of Exposure	Symptoms
Inhalation	Respiratory tract irritant.
Skin	Irritating to the skin. Bonds skin rapidly. May cause skin burns
Eyes	Moderate to severe eye irritant. Excess redness of the conjunctiva may occur. Permanent corneal damage is not expected.
Ingestion	Ingestion is not likely.
Chronic	Repeated inhalation exposure may cause reversible irritation at the site of initial contact.
Carcinogenicity	OSHA: Not Listed NTP: Not Listed IARC: Not Listed

Section 4. First Aid Measures	
Eyes	Immediately flush the eyes with large amounts of low-pressure tepid water for at least 15 minutes, occasionally lifting the lower and upper lids. If the eyelids are stuck together or bonded to the eyeball. Apply a gauze patch after washing with warm water. The eye will open without further action in 1-4 days. There will be no residual damage. Do not try to open the eyes by manipulation.
Skin	Soak contaminated skin in warm soapy water until adhesive softens and releases the skin.
Inhalation	If overcome by exposure, immediately move the victim to fresh air. Administer oxygen or artificial respiration as needed. Prompt action is essential. Obtain emergency medical attention if symptoms persist.
Ingestion	Ingestion is not likely. If lips are stuck together apply lots of warm water to the lips and encourage wetting and pressure from saliva inside the mouth. Peel or roll the lips apart. Do not try to pull the lips with opposing action.

Section 5. Fire Fighting Measures	
Extinguishing Media: Water, Carbon Dioxide, Dry Chemical and Foam	

MATERIAL SAFETY DATA SHEET

Anchor-Seal, Inc.

Flash Point	150-200F Closed Cup LEL: N/D UEL: N/D
Flammability Classification NFPA	Fire: 2 Health: 2 Reactivity: 1
Extinguishing Media	Carbon dioxide, water spray, dry chemical, foam.
Unusual Fire and Explosions Hazards	When heated above the flash point, releases flammable vapors. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air. Fire fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing. Cool closed containers with WATER SPRAY to avoid rupture of containers. Heat from fire can generate vapor and decomposition products that may cause a health hazard.

Section 6. Accidental Release Measures	
ISOLATE AREA OF THE SPILL! Wear protective gloves and clothing. Eliminate all ignition sources. Flood spill with water to polymerize. Soak up small spills with inert solids such as vermiculite, sand or clay. Do not use sawdust or cellulose. Shovel into suitable disposal container. Exclude persons not wearing protective equipment from the area of spill until cleanup is completed.	

Section 7. Handling & Storage	
Store material in a clean, dry area at 35-80F. Clean up spills at once. Keep container tightly closed when not in use. Avoid skin and eye contact. Avoid breathing vapors if generated. Always wear gloves while using and protect other exposed areas.	

Section 8. Exposure Controls/Personal Exposure	
Eye Protection	Avoid splashing. Wear chemical-resistant safety goggles or face shield.
Skin Protection	Chemical resistant synthetic rubber (neoprene, butyl) gloves and other protective clothing are recommended to prevent skin contact. Clean equipment thoroughly after each use.
Respiratory Protection	If personal exposure cannot be controlled by area ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH 29 CFR 1910.134 or ANSI Z88.2.
Ventilation	General area ventilation is acceptable. Local exhaust is recommended for confined areas. See 29 CFR 1910.146
Other Precautions	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potentially significant exposure.

Section 9. Physical and Chemical Properties			
Percent Volatile Content by Volume (PBV) or Weight (PBW)	N/E	Specific Gravity (gm/cc)	1.05
VOC Content (less water)	N/E	Weight per Gallon	8.7 lb.
Boiling Point	> 300F	Evaporation Rate butyl acetate=1	N/E
Vapor Pressure	< 0.2 mm Hg @ 20C	Solubility in Water	none
Vapor Density (Air=1)	-3	Appearance and Odor	Thin liquid, sharp irritating

Section 10. Stability and Reactivity	
Stability	Stable
Conditions to Avoid	Excessive heat, sparks, open flame.
Incompatibility	Water, alcohol, amines, alkali
Hazardous Decomposition Products	Fumes produced if heated to decomposition may contain carbon monoxide and carbon dioxide and irritating organic fragments.
Hazardous Polymerization	Will not occur.

MATERIAL SAFETY DATA SHEET

Anchor-Seal, Inc.

Section 11. Toxicological Information Acute Toxicity (see Section 3. for Exposure Symptoms)			
Chemical Identity	ORAL LD 50	DERMAL LD 50	Inhalation LC 50
Ethyl cyanoacrylate	N/A	N/A	N/A

Section 12. Ecological Information
Prevent from entering sewers and waterways. Not expected to be hazardous to aquatic species.

Section 13 Disposal Considerations
RCRA: Polymerize with water. This product, if disposed of as shipped, is not considered a hazardous waste as specified in 40 CFR 261. Dispose of in accordance with all applicable federal, state and local regulations.

Section 14 Transportation Information	
This product, if offered for shipment, is regulated by US DOT 49 CFR Parts 171 - 180: Regulation of Hazardous Materials Transportation in Commerce.	
Proper Shipping Name	Adhesives
Classification	3
Identification	UN1133
Packing Group	111
Label	Flammable Liquid

Section 15. Regulatory Information				
<i>Regulations Governing Product:</i>				
Inventory Status: United States (TSCA) - All ingredients are on the inventory or are exempt from listing.				
SARA TITLE III				
EPCRA 311/312 Tier II Chemical Inventory Reporting: Immediate (acute)				
	Health	Flammability	Chemical Reactivity	
HMIS Rating	2	2	1	
<i>Regulations Governing Ingredients</i>				
Chemical Name	CAS #/ Category#	CERCLA RQ	EPCRA 313 RQ	EPCRA 302 RQ EHS

Section 16 Other Information
<u>REFERENCES</u>
CRC Press: Handbook of Chemical and Physical Constants by David R. Lide
Merck & Company: The Merck Index
Sigma-Aldrich Company: Aldrich Handbook of Fine Chemicals
Dictionary of Toxicology by Robert Lewis
US Department of Transportation, Research and Special Programs Administration: Hazardous Materials Table

The information contained herein is given in good faith but no guarantee or warranty of any kind, expressed or implied, is made with respect to the information above. Metzger-McGuire Co. expressly disclaims any liability, which may be incurred in using the information contained herein.