

MATERIAL SAFETY DATA SHEET

Anchor-Seal, Inc.

Section 1. Chemical Product and Company Identification	
Product name/ Accelerator for CA Trade Name Manufacturer Anchor-Seal, Inc. 54 Great Republic Drive Gloucester, MA 01930	IN CASE OF EMERGENCY: INFOTRAC: 1-800-535-5053 INFORMATION: 1-800-669-5217
Date of Preparation: 5/11/11	Replaces: 10/7/09
Preparers Name Peter E. Spinney	

Section 2. Composition, Information on Ingredients			
Component Information		Exposure Limits	
Chemical Name:	CAS#	TLV (ppm) ACGIH	OSHA PEL, TWA
Heptane	142-82-5	1000 ppm STEL	400 ppm VPEL
Acetone	67-64-1	750 ppm STEL	750 ppm VPEL

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	
WARNING! Causes eye, skin and respiratory tract irritation. Flammable liquid and vapor. May be harmful if swallowed, inhaled or absorbed through the skin.	
Primary Routes of Exposure: X Skin contact X Eye Contact X Inhalation Ingestion	
Routes of Exposure	Symptoms
Inhalation	Respiratory irritation, nasal discharge and difficulty breathing may occur after exposure to aerosol or high vapor concentrations..
Skin	Skin absorption hazard. Mildly irritating to the skin but not a skin sensitizer.
Eyes	Moderate to severe eye irritant. Excess redness of the conjunctiva may occur. Permanent corneal damage is not expected.
Ingestion	Ingestion may cause discomfort and irritation of the gastrointestinal tract, dizziness and shortness of breath.
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 irritation persists, seek medical attention.
Skin	Immediately wash the contaminated skin with soap and water. If this chemical penetrates the clothing, immediately remove the clothing. wash the skin with soap and water.
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	If large quantities have been swallowed, give lukewarm water (pint/1/2 liter) if victim is conscious/alert. Do not induce vomiting. Risk of damaging the lungs exceeds poisoning risk. Obtain emergency medical attention. Note to Physician: Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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Section 5. Fire Fighting Measures			
Extinguishing Media: Water, Carbon Dioxide, Sand, Dry Chemical and Foam			
Flash Point	25F (-4C) closed cup	LEL: N/D	UEL: N/D
Flammability Classification NFPA	Class 3 Flammable Liquid		
Extinguishing Media	Carbon dioxide, water spray, dry chemical, foam.		
Unusual Fire and Explosions Hazards	<p>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.</p> <p>Fire fighters should wear positive-pressure self-contained breathing apparatus (SCBA) and protective clothing.</p> <p>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.</p>		

Section 6. Accidental Release Measures			
<p>FLAMMABLE LIQUID. ISOLATE AREA OF THE SPILL! Eliminate all ignition sources. Soak up small spills with inert solids such as vermiculite or other absorbent materials. Shovel into suitable disposal container. Persons not wearing protective equipment should be excluded from the area of spill until cleanup has been completed.</p>			

Section 7. Handling & Storage			
<p>Store material in a clean, ventilated area at 32-80F. 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 protective equipment. Wash hands and other exposed areas thoroughly after handling. Store away from heat, sparks, open flames and strong oxidizing agents.</p>			

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 repeated or prolonged skin contact. Clean equipment thoroughly after each use.		
Respiratory Protection	OSHA PEL 500 ppm TWA. 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	Flammable, keep away from sparks and flames. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.		

Section 9. Physical and Chemical Properties			
Percent Volatile Content by Volume (PBV) or Weight (PBW)	100%	Specific Gravity (gm/cc)	0.715
VOC Content (less water) Note 1	N/E	Weight per Gallon	6 lb.
Boiling Point	56C	Evaporation Rate butyl acetate=1	4.3
Vapor Pressure	40 mm Hg @ 20C	Solubility in Water	Partial
Vapor Density (Air=1)	3.5	Appearance and Odor	Thin liquid, solvent odor

Section 10. Stability and Reactivity	
Stability	Stable
Conditions to Avoid	Excessive heat, sparks, open flame.

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Incompatibility	Oxidizers
Hazardous Decomposition Products	Fumes produced if heated to decomposition may contain carbon monoxide and carbon dioxide.
Hazardous Polymerization	None

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

Section 12. Ecological Information
This material evaporates quickly and is not expected to be hazardous to aquatic species.

Section 13 Disposal Considerations
RCRA: This product, if disposed of as shipped, should be 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	Heptanes
Classification	3
Identification	UN1206
Packing Group	11
Label	Flammable

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	3	3	0	
<i>Regulations Governing Ingredients</i>				
<i>Chemical Name</i>	<i>CAS #/ Category#</i>	<i>CERCLA RQ</i>	<i>EPCRA 313 RQ</i>	<i>EPCRA 302 RQ EHS</i>

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

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