

MATERIAL SAFETY DATA SHEET

Manufacturer: Schaeffer Mfg. Company		Emergency Response Number:	
Address: 102 Barton Street		314-865-4105 or	
Address: St. Louis, MO 63104		800-325-9962	
SECTION 1 - PRODUCT INFORMATION			
Chemical Family: Azole Based Biocides		Trade Name: #285 Fuel Shock	
Formula: Proprietary Formulation			
SECTION 2 - HAZARDOUS INGREDIENTS			
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES	CAS Number	%	Exposure Limits
			TVL
			ppm mg/m³
Aromatic Hydrocarbon Solvent	64742-95-6	>30	100 NE
2-(Thiocyanomethylthio) Benzothiazole	21564-17-0	2.5	NE NE
Methylene bis (thiocyanate)	6317-18-6	2.5	NE NE
Section 3 - PHYSICAL DATA			
Boiling Point:	212°F/100°C	Specific Gravity:	1.03
Vapor Pressure (mm. Hg):	Not Determined	% Volatile:	Not Determined
Vapor Density (Air = 1):	Not Determined	Evaporation Rate: (=1)	Not Determined
Solubility in Water:	Dispersible	pH:	Not Applicable
Appearance and Odor: Light amber liquid, slight odor			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (Method) °F/°C: 158°F/70°C		Flammability Limits UEL & LEL --- Not Applicable	
Tag: Closed Up			
Extinguishing Media: Carbon dioxide foam, dry chemical foam, waterfog.			
Special Fire Fighting Procedures: Wearing self contained breathing apparatus is required. Water spray may be used to cool containers			
Unusual Fire & Explosion Hazards: None			
SECTION 5 - REACTIVITY HAZARD DATA			
STABILITY	<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	Hazardous Decomposition <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR	
Conditions to Avoid: Do not heat above 50°C/122°F. Stable at 25°C/77°F for greater than 6 months; Stable at 50°C/122°F for greater than 30 days; Stable at less than 4°C/39°F for greater than 6 months.			
Incompatibility (Mat. to avoid): Strong alkalis, acids or oxidizers			
Hazardous Decomposition Products: Cyanide salts are formed when product contacts strong alkali. Thermal decomposites produce hydrogen cyanide, sulfur dioxide and oxidized carbon and nitrogen.			
Conditions to Avoid: None			
SECTION 6 - HEALTH HAZARD DATA			
Threshold Limit Value and Sources: Unknown. None established by OSHA & ACGIH.			
Acute Effects of Overexposure:			
Ingestion:	Harmful or fatal if swallowed. Nausea, dizziness and difficulty in breathing.		
Eye Contact:	Corrosive to the eyes with possible permanent damage depending on the length of exposure.		
Skin Contact:	Moderate to severe skin irritation. Product can be absorbed through skin. Corrosive effects to skin may occur.		
Inhalation:	Breathing of mists and vapors can cause irritation and corrosion of mucous membranes and lungs.		
CHRONIC EFFECTS OF OVEREXPOSURE: None currently known			
Emergency and First Aid Procedures:			
Swallowing:	Do not induce vomiting. Rinse with copious amounts of water or milk first. If victim is conscious, give 1 to 2 glassed of water or milk to drink. Seek medical attention immediately. Do not give anything in mouth if victim is semi-comatose, comatose, or convulsing.		
Skin:	Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists seek medical attention.		
Inhalation:	Remove victim to fresh air. If breathing is labored administer oxygen. If breathing has stopped start artificial respiration immediately.		
Eyes:	Flush eyes with copious amounts of clear, cool, clean water for 15 minutes. Seek medical attention immediately		
SECTION 7 - SPILL OR LEAK PROCEDURES			
Environmental Impact: Toxic to fish and birds. Do not discharge product into lakes, streams, ponds, public water or into wetlands.			
Procedures To Be Taken if Material is Released or Spilled: Block any potential routes to water system. Recover product by use of absorbents. Do not flush any products into the sewers.			
Waste Disposal Method: Dispose of at an approved waste or disposal site facility in accordance with all applicable federal, state and local laws and regulations.			
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection:	Required for areas where misting may occur.		
Ventilation:	No special requirement under ordinary conditions of use and with adequate ventilation.		
Eye Protection:	Goggles or face shield.		
Protective Clothing:	Rubber gloves or neoprene gloves. Body protective clothing is required.		

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SECTION 9 – SPECIAL PRECAUTIONS		
Precautions To Be Taken in Handling and Storage: Do not store or heat above 112°F/50°C. Keep containers closed when not in use. Do not store near food or feed products.		
Special Comments: Workmen handling this product or material treated with this product should wear impervious gloves, goggles or face shield and protective clothing. All protective clothing, work shoes, boots and equipment must be left at work site at the end of the day. Eating, drinking, and smoking during use of this product is prohibited. Wash skin thoroughly with soap and water after handling. Launder contaminated clothing before reuse.		
SECTION 10 – ADDITIONAL HEALTH AND TOXICOLOGICAL DATA		
HMIS & NFPA Ratings: Health = 3 Fire = 2 Reactivity = 1		
This product is a potential skin sensitizer. It is toxic by ingestion, higher toxic by inhalation of mists and is corrosive to skin and eyes.		
This product does not contain any of the chemicals listed on the National Toxicology Program Annual Reports on Carcinogens, The International Agency for Cancer Research Monographs and OSHA's 1910.10 Subpart Z List.		
This product does not contain any of the chemicals found on SARA Title III Section 302 and 313 Lists or on the CERCLA or RCRA Lists.		
This product does not contain any chemicals that are found on the State of California's Proposition 65 List for chemicals classified as potential reproductive or cancer causing agent.		

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