

## MATERIAL SAFETY DATA SHEET

929B

This MSDS complies with OSHA'S Hazard Communication standard 29 CFR 1910.1200 and OSHA Form 174

## IDENTITY AND MANUFACTURER'S INFORMATION

<b>NFPA Rating:</b> Health-1; Flammability-0; Reactivity-0; Special-		<b>HMS Rating:</b> Health-1; Flammability-0; Reactivity-0; Personal Protection-B	
Manufacturer's Name: <b>DYNAFLUX, INC.</b> 241 Brown Farm Rd. Cartersville, GA 30120		<b>DOT Hazard Classification:</b> Ethylene Glycol 44620	
		<b>Identity</b> (trade name as used on label): <b>DYNAFLUX DEFENSE 929 CONCENTRATED ANTI-FREEZE</b>	
Prepared By: GS		<b>MSDS Number:</b> 929B	Revision: 4/13/2010
Information Calls: (800)334-4420		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA	

**Emergency Response Number: CHEMTEL US: (800)-255-3924 / International: 813-248-0585**

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS NUMBER	SARA III LIST	OSHA PEL (PPM)	ACGIH TLV (ppm)	Carcinogen Ref. source*
Ethylene Glycol % by weight: 49.75	107-21-1	no	50	50	d
VOC: 0%					

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b> 230°F	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 1.07
<b>Vapor Pressure:</b> (PSIG @ 70° F (Aerosols): NA	<b>Vapor Pressure:</b> (Non-Aerosols)(mm Hg and Temperature): 17.6mmHg @20°C
<b>Vapor Density:</b> (Air=1): >1	<b>Evaporation Rate</b> (BUAC=1): <1
<b>Solubility in Water:</b> 100%	<b>Water Reactive:</b> Negligible
<b>Appearance and Odor:</b> Blue, clear thin liquid.	

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)</b> NA	<b>Auto Ignition Temperature</b> NA	<b>Flammability Limits in Air by % in Volume:</b>	
		% LEL: NA	% UEL: NA
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> None to boiling TCC			
<b>EXTINGUISHER MEDIA:</b> Use water fog.			
<b>SPECIAL FIRE FIGHT PROCEDURES:</b> Do not spray on fires directly. Use self contained breathing apparatus.			
<b>Unusual Fire &amp; Explosion Hazards:</b> None			

## SECTION 4 - REACTIVITY HAZARD DATA

<b>STABILITY:</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR
<b>Incompatibility</b> (Mat. to Avoid): Strong oxidizers	<b>Conditions to Avoid:</b> None
<b>Hazardous Decomposition Products:</b> May form carbon monoxide and dioxide.	

## SECTION 5 - HEALTH HAZARD DATA

<b>PRIMARY ROUTES OF ENTRY:</b> <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS
<b>ACUTE EFFECTS:</b>
<b>Inhalation:</b> None
<b>Eye contact:</b> Reddening of eyes
<b>Skin contact:</b> Reddening of skin
<b>Ingestion:</b> May cause irritation
<b>CHRONIC EFFECTS:</b> Mild irritant
<b>Medical conditions Generally Aggravated by Exposure:</b> Dermatitis

## EMERGENCY FIRST AID PROCEDURES

<b>Eye Contact:</b> Wash with water.
<b>Skin Contact:</b> Wash with water
<b>Inhalation:</b> NA
<b>Ingestion:</b> Induce vomiting. Give two large glasses of water. Get medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<b>Respiratory Protection (specify type):</b> Normally not required.
<b>Protective Gloves:</b> Rubber if desired
<b>Eye Protection:</b> Safety glasses or face shield.
<b>Ventilation Requirements:</b> Normal room ventilation is usually adequate.
<b>Other Protective Clothing &amp; Equipment:</b> Normally not required.
<b>Hygienic Work Practices:</b> Wash with soap & water before eating or smoking.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken if Material is Spilled Or Released:</b> Absorb up onto paper and discard. Larger spill should be diked, collected and reused. Absorb residue on absorbent. Sweep up and put into steel container.
<b>Waste Disposal Methods:</b> In accordance with local, state and federal regulations.
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Keep in cool place. Do not cut or weld on empty containers.
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

\*Chemical Listed as Carcinogen or Potential Carcinogen. [a] NPT [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only