

# MATERIAL SAFETY DATA SHEET

DFB

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-3; Reactivity-0 ; Special-		<b>HMIS Rating:</b> Health-1; Flammability-3; Reactivity-0; Personal Protection-B	
<b>Manufacturer's Name:</b> DYN AFLUX, INC. 241 Brown Farm Rd. Cartersville, GA 30120		<b>DOT Hazard Classification:</b> Consumer Commodity ORMD 48580 Sub 3 (4x1) 5 gal up: Flammable Liquids, N.O.S. (Ethyl Acetate, Isopropyl Alcohol), 3, UN1993,,III	
Prepared By: GS		<b>Identity (trade name as used on label):</b> <b>CRACK CHECK DF DEVELOPER (non-aerosol)</b>	
Information Calls: (800)334-4420		<b>MSDS Number:</b> DFB <span style="float: right;"><b>Revision:</b> 11/3/2008</span>	
<b>Emergency Response Number: CHEMTEL US: (800)-255-3924 / International: 813-248-0585</b>			
<b>SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION</b>			

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*
Ethyl Acetate	141-78-6	yes	400	400	d
Isopropyl alcohol	67-63-0	yes	400	400	d
VOC: 86.91%					

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b> 171°F	<b>Specific Gravity (H2O=1):</b> .85
<b>Vapor Pressure:(PSIG @ 70° F (Aerosols):</b> NA	<b>Vapor Pressure:(Non-Aerosols)(mm Hg and Temperature):</b> 73 @ 20° C
<b>Vapor Density:(Air=1):</b> Not Established	<b>Evaporation Rate (BUAC=1):</b> 1.3
<b>Solubility in Water:</b> slightly soluble	<b>Water Reactive:</b> None
<b>Appearance and Odor:</b> White fluid, fruity odor	

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)</b> NA	<b>Auto Ignition Temperature</b> NE	<b>Flammability Limits in Air by % in Volume:</b>	
		<b>%LEL:</b> 2	<b>%UEL:</b> 11.4
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> 30° F TCC			
<b>EXTINGUISHER MEDIA:</b> Carbon dioxide or dry chemical			
<b>SPECIAL FIRE FIGHT PROCEDURES:</b> Water may be ineffective but should be used to cool fire exposed containers.			
<b>Unusual Fire &amp; Explosion Hazards:</b> Vapor is heavier than air and can travel considerable distance to a source of ignition and flashback. Material creates a special hazard because part of the solvent floats on water.			

## 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 (Mat. to Avoid):</b> Oxidizing agents such as hydrogen peroxide, nitric acid, chromium trioxide.	
<b>Conditions to Avoid:</b> None	
<b>Hazardous Decomposition Products:</b> Carbon monoxide and dioxide	

## SECTION 5 - HEALTH HAZARD DATA

<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS
<b>ACUTE EFFECTS:</b> None
<b>Inhalation:</b> Headache, drowsiness
<b>Eye contact:</b> Irritation to eyes and mucous membrane.
<b>Skin contact:</b> Defatting of skin
<b>Ingestion:</b> Irritant
<b>CHRONIC EFFECTS:</b> no information available.
<b>Medical conditions Generally Aggravated by Exposure:</b> Dermatitis

## EMERGENCY FIRST AID PROCEDURES

<b>Eye Contact:</b> Wash with water for 15 minutes. Get medical attention.
<b>Skin Contact:</b> Wash with soap and water
<b>Inhalation:</b> Remove to fresh air.
<b>Ingestion:</b> Do not induce vomiting. Give several glasses of water. Call a physician.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<b>Respiratory Protection (specify type):</b> In closed areas, use a NIOSH/MSHA approved face mask
<b>Protective Gloves:</b> Neoprene
<b>Eye Protection:</b> Safety goggles
<b>Ventilation Requirements:</b> normal room ventilation is usually adequate.
<b>Other Protective Clothing &amp; Equipment:</b> If desired, use impervious clothing.
<b>Hygienic Work Practices:</b> Keep away from children. No smoking in work area.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken if Material Is Spilled Or Released:</b> Eliminate ignition sources. Place leaking containers in a well ventilated area. Dike area and pump into intact container. Flush spills with water or collect on absorbent materials.
<b>Waste Disposal Methods:</b> Incineration by a certified hazardous waste disposal firm in compliance with local, state and federal regulations.
<b>Precautions To Be Taken In Handling &amp; Storage:</b>
Store in a cool, well ventilated area. do not expose to temperatures above 120° F. Keep away from ignition sources.
<b>Other Precautions &amp;/or Special Hazards:</b> Avoid breathing vapors. Use spark resistant tool. Avoid skin and eye contact with fluid.
<b>KEEP OUT OF REACH OF CHILDREN</b>

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