



## Safety Data Sheet

Dynaflux DNF A SDS 07/18/2018

Product: Crack Check DNF Developer (Aerosol)

**Part 1: Product and Company Identification**

Identification DNF A

Trade Name: Crack Check DNF Developer (Aerosol)

Product Use: To locate cracks on metal and hard surfaces in the non-destructive testing process.

Manufacturers Name: Dynaflux, Inc.

241 Brown Farm Rd.

Cartersville, GA 30120 U.S.A.

Emergency Telephone Number: For U.S.: 800-255-3924 International: 813-248-0585

**Part 2: Hazardous Ingredients**Signal Word: **WARNING****H229:** Pressurized container: may burst if heated**H351:** Suspected of causing cancer

Hazardous Ingredients	CAS No.	SARA III List	PEL PPM	TLV PPM	Carcinogen Refer. Source
Dichloromethane	75-09-2	Yes	25	12.5	IARC NTP

**Warning:**

Contains gas under pressure. May explode if heated.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause damage to organs.

May be harmful if swallowed.

**Part 3: Hazard Rating****H.M.I.S.**

Health	2
Flammability	0
Reactivity	0
Special	-

**N.F.P.A.**

Health	3
Flammability	0
Reactivity	0
Personal Protection	b

#### Part 4: First Aid Measures

Eye Contact: Flush with water for 15 minutes. If irritation persists call a physician. **GHS: Category 2A**

Skin Contact: Flush with water. Wash with soap and water. Apply a lotion. **GHS: Category 2**

Inhalation: Move to fresh air.

Ingestion: Do not induce vomiting. Give several large glasses of water. Seek medical attention. **GHS: Category 4**

**Reproductive Toxicity: GHS Category 2**

**Carcinogenicity: GHS Category 2**

#### Part 5: Fire Fighting Measures

Flashpoint: Nonflammable Flame Projection Test

U.E.L.: None Established

L.E.L. : None Established

Auto Ignition Temperature: 662°C.

Combustion Products: Carbon dioxide, carbon monoxide, hydrogen chloride and small amounts of phosgene.

Extinguishing Media: Foam, CO<sub>2</sub>, Dry chemical

Unusual Fire and Explosion Hazard: use a self contained breathing apparatus. Use water fog to cool s to prevent rupturing.

#### Part 6: Accidental Release Measures

Small Spill: Soak up with absorbent material, i.e. kitty litter, clay or dirt. Sweep up and place in a labeled closed container.

Large Spill: Keep unauthorized people from the area. Use self contained breathing apparatus. Dike area and pump contents to a labeled, closed container. Absorb residue and sweep up. Place in a closed, labeled container.

#### Part 7: Handling and Storage

Leave in the shipping containers. Store in a cool dry place. Do not expose aerosols to temperatures above 120° F or the container may rupture.

#### Part 8: Exposure Control / Personal Protection

If vapor exceeds TLV use a approved respirator. Use mechanical ventilation in confined spaces. Wear safety glasses and protective gloves.

#### Part 9: Physical and Chemical Properties

Boiling Point: 39.8°C

Vapor Pressure: 47.33 KPa

Vapor Density: 2.93

Octanol / Water Partition Coefficient. 1.25

Appearance and Odor: Clear liquid with solvent odor.

Specific Gravity: 1.33

Evaporation Rate (BuAc=1): NA

Water Reactive: No

#### Part 10: Stability and Reactivity

Stability- Product is stable

Hazardous Polymerization- will not occur.

Conditions to Avoid- Ignition sources, open flames, amines and strong bases.

#### Part 11: Toxicological Information

Ingestion: Rat LD<sub>50</sub> 1500-2500mg/kg

Inhalation: Rat LC<sub>50</sub> 10,000 ppm

Carcinogenicity Classification: N.T.P. Anticipated Carcinogen. IARC: Possible carcinogen; 2B  
Reproductive Toxicity: animal studies- None  
Genetic Toxicity-negative results from animal studies.

### Part 12: Ecological Information

Potential for mobility in soil is high.  
Octanol/Water partition coefficient: 1.25  
Organic carbon/water partition coefficient: 24  
Atmospheric half life: 79-110 days  
Biodegradation 5-26% 28 days  
LC50 bluegill: 224 mg/l  
Aquatic Toxicity EC50 water flea. Immobilization: 480 mg/l

### Part 13: Disposal Consideration

Do not dump into any sewers, on the ground or into any body of water. Send to a permitted recycler.

### Part 14: Transportation Information

#### D.O.T.

Consumer Commodity O.R.M.-D., 48580 Sub 3

#### IMDG- (Vessel)

Proper Shipping Name: Aerosols, (Dichloromethane), Limited Quantity  
Hazard Class: Class 2.2, 6.1  
Packing Group: III  
UN Number: UN1950  
Marine Pollutant – No

### Part 15: Regulatory Information

Section 311 and 312  
Immediate Health Hazard – Yes  
Delayed Health Hazard- Yes  
Fire Hazard – No  
Reactive Hazard – No  
Section 313- Dichloromethane  
TSCA – Listed

CEPA-(DSL) Listed

#### California Proposition 65 Statement:



**WARNING:** This product can expose you to Dichloromethane, a chemical known to the State of California to cause cancer. For more information, go to [www.p65Warnings.ca.gov/product](http://www.p65Warnings.ca.gov/product).

Continued

## Part 16: Other Information

Dynaflux, Inc.  
241 Brown Farm Rd.  
Cartersville, GA 30120 U.S.A.  
Completed by: Eugene Schaffstall

### **Disclaimer of Expressed and implied Warranties:**

The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date of the I Safety Data sheet was prepared. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices as specified on the label copy.