



Safety Data Sheet

Dynaflux SDS CNF A 01/17/2017

Product: Crack Check CNF Cleaner (Aerosol)

**Part 1: Product and Company Identification**

Identification CNF A

Trade Name: Crack Check CNF Cleaner (Aerosol)

Product Use: Cleans hard surfaces before and after penetrant application.

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, CO2, Dry chemical

Unusual Fire and Explosion Hazard: use a self contained breathing apparatus. Use water fog to cool containers 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**

Appearance: thin liquid

Odor: Chlorinated solvent

Odor threshold: Unknown

pH: NA

Melting/Freezing Point: Unknown

Initial boiling point/boiling range: 39.8°C

Flash Point: NA

Evaporation Rate: NA

Flammability: NA

UEL/LEL: Unknown

Vapor Pressure: 47.33 KPA

Vapor Density: Unknown

Solubility: Unknown

n-octynol/water coefficient: 1.25

Auto Ignition Temperature: Unknown

Decomposition Temperature: Unknown

**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 LD50 1500-2500mg/kg

Inhalation: Rat LC50 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  
SARA 313 - Listed  
TSCA – Listed  
CEPA-(DSL) Listed  
European Inventory – Listed  
Canadian DSL- Listed  
Australian AICA – Listed  
Japanese ENCS-Listed  
California Prop 65 - Listed

**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 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.



## Safety Data Sheet

Dynaflux SDS DNF B 01/17/2017

Product: Crack Check DNF Developer / Liquid

**Part 1: Product and Company Identification**

Identification DNF B

Trade Name: Crack Check DNF Developer (liquid)

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****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

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

Health	2
Flammability	0
Reactivity	0
Special	-

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

Health	2
Flammability	0
Reactivity	0
Personal Protection	H

**Potential Acute Health Effects:** Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (irritant, permeator). Inflammation of the eye is characterized by redness, watering and itching.

**Part 4: First Aid Measures****Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately. **GHS Subcategory 2A**

**Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention. **GHS Category 3**

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, Get medical attention if symptoms appear.

Continued

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. **GHS Category 4**

**Reproductive Toxicity: GHS Category 2**

**Carcinogenicity: GHS Category 2**

**Part 5: Fire Fighting Measures**

**Auto-Ignition Temperature:** 556°C (1032.8°F).

**Flash Points:** Nonflammable

**Flammable Limits:** LOWER: 12% UPPER 19%

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>), hydrogen chloride, small amounts of phosgene.

**Fire Hazards in Presence of Various Substances:** Not available.

**Fire Fighting Media and Instructions:** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. Cool containers to help prevent rupturing.

**Part 6: Accidental Release Measures**

**Small Spill:**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate labeled waste disposal container.

**Large Spill:**

Absorb with an inert material and put the spilled material in an appropriate labeled waste container. Be careful that the product is not present at a concentration level above TLV.

**Part 7: Handling and Storage**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing the material. Do not ingest. Do not breathe gas/fumes/vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical attention immediately. Avoid contact with skin and eyes.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

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

**Engineering Controls:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station location.

**Personal Protection:**

Splash goggles. Apron. Vapor respirator. Be sure to use an approved/certified respirator. Gloves

**Personal Protection in Case of a Large Spill:**

Splash goggles, full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

**Exposure Limits:**

TWA: 50 from ACGIH (TLV) [United States] TWA: 174 from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

Continued

**Part 9: Physical and Chemical Properties**

**Physical state and appearance:** White tinted liquid.

**Odor:** Mild, sweet

**Molecular Weight:** 84.94

**Specific Gravity:** (water =1.0): 1.33

**Solubility in Water (weight %):** 1.32 gm/100gm @ 77°F (25°C)

**pH:** Not applicable

**Boiling Point:** 140°F (40°C).

**Vapor Pressure:** 350mm Hg at 68°F (20°C).

**Vapor Density (Air=1):** 2.9

**Evaporation Rate:** 0.7 Compared to: Ethyl Ether = 1

**% Volatiles:** 100

**Flash Point:** None

**Part 10: Stability and Reactivity****Stability:**

Stable under recommended storage conditions.

**Avoid:** Incompatible products

**Incompatibilities:**

Ignition sources, open flames, amines and strong bases.

**Hazardous Polymerization:**

Hazardous polymerization does not occur.

**Part 11: Toxicological Information**

Component Analysis – LD50/LC50

**Dichloromethane (75-09-2)**

Ingestion: Rat: LD50 1500-2500 mg/kg

Inhalation: Rat LC50 10,000 ppm

Carcinogenicity Classification: N.T.P. Anticipated Carcinogen. IARC: Possible carcinogen; 2B

Reproductive Toxicity: animal studies-None

**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**

**Waste Information:** Dispose of as special waste in compliance with local and national regulations. Waste codes should be assigned by the user based on the application for which the product was used. Incineration of waste material in an EPA-approved facility is recommended, allowing a solid, inert residue to form.

**Other Disposal Considerations:** Observe all Federal, State and Local Environmental regulations.

**Part 14: Transportation Information**

**DOT Hazard Classification:** Dichloromethane, 6.1, UN1593, PGIII  
RQ 1000lbs / 454 kg

**Part 15: Regulatory Information**

**TSCA** – The product on this MSDS, or all of its components, is listed under TSCA.

**Section 311 Hazard Class:** immediate. Delayed.

**SARA 313 Toxic Chemicals:**

The following ingredients are SARA 313 "Toxic Chemicals".

<b>Ingredient Name:</b>	<b>Comment:</b>
Dichloromethane (75-09-2)	0.1% de minimis concentration

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the State of California to cause cancer.

]

**WHMIS Classification (Canada):**

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects.

**DSCL (EEC):** R22-harmful if swallowed. R38- irritating to skin. R41- Risk of serious damage to eyes. R45- may cause cancer.

**Part 16: Other Information**

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