



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 IngredientsSignal 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 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 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

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.

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:

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Safety Data Sheet

Dynaflux SDS CNF A 07/18/2018

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 IngredientsSignal 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 MeasuresEye 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 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.

Continued

Part 16: Other Information

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

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Safety Data Sheet

Dynaflux SDS PHF A 07/18/2018

Product: Crack Check PHF Penetrant (Aerosol)

Part 1: Product and Company Identification

Identification PHF A

Trade Name: Crack Check PHF Penetrant (Aerosol)

Product Use: Dye to penetrate cracks in hard surfaces.

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 IngredientsSignal Word: **DANGER****H223:** Flammable aerosol**H229:** Pressurized container: may burst if heated**H361:** Suspected of damaging fertility or the unborn child

Hazardous Ingredients	CAS No.	SARA III List	PEL PPM	TLV PPM	Carcinogen Refer. Source
Aliphatic Hydrocarbon	64742-47-8	Yes	500	100	Not Listed
Aromatic Hydrocarbon	64741-67-6	Yes	100	100	Not Listed
Xylene	1330-20-7	Yes	100	100	Not Listed
Isobutane / Propane Blend	75-28-5	No	1000	1000	Not Listed
	74-98-6	No	1000	1000	Not Listed

VOC 82.54%**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	3
Reactivity	0
Special	-

N.F.P.A.

Health	2
Flammability	3
Reactivity	0
Personal Protection	b

Part 4: First Aid Measures

Eye Contact: Flush with water for 15 minutes. Get medical attention. **GHS Subcategory 2A.**

Skin Contact: Wash with soap and water. **GHS Category 2**

Inhalation: Move to fresh air. Get medical attention.

Ingestion: Do not induce vomiting. Give several large glasses of water. Call physician. **GHS Category 1**

Part 5: Fire Fighting Measures

Flashpoint: Flammable-Flame Projection Test

U.E.L.: None Established

L.E.L. : None Established

Auto Ignition Temperature: N.E.

Combustion Products: Carbon dioxide, Carbon monoxide

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. Remove all ignition sources.

Part 7: Handling and Storage

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

Part 8: Exposure Control / Personal Protection

If vapors exceed TLV use an approved respirator. Use mechanical ventilation in confined areas. Wear safety glasses and protective gloves. Remove all ignition sources.

Part 9: Physical and Chemical Properties

Boiling Point: NA

Vapor Pressure (psig@70°F)-60psig

Vapor Density: N.E.

Solubility in Water: Insoluble

Appearance and Odor: Red liquid with solvent odor.

Specific Gravity: .945

Evaporation Rate (BuAc=1): .08

Water Reactive: No

Ph: NA

Part 10: Stability and Reactivity

Stability- Product is stable

Hazardous Polymerization- will not occur.

Conditions to Avoid- Ignition sources, open flames, strong oxidizers

Hazardous Decomposition Products-Carbon dioxide, Carbon monoxide

Part 11: Toxicological Information

Carcinogenicity Classification – NTP Not Listed

IARC Not Listed

Reproductive Toxicity: Animal Studies- None

Ingestion Toxicity- LD₅₀ 3160mg/kg Category 5

Mildly irritating to the skin with prolonged exposure. Category 3

Part 12: Ecological Information

Biodegradability – Not Biodegradable

Keep out of sewers and water ways. Category III

Not expected to be harmful to aquatic organism.

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, (Petroleum Distillates), N.O.S. contains Naphthylamine solution, Limited Quantity

Hazard Class: Class 2.1, 6.1

Packing Group: III (44°C.c.c.)

UN Number: UN1950

Marine Pollutant – No

Part 15: Regulatory Information

Section 311 and 312

Immediate health Hazard – Yes

Fire Hazard – Yes

Reactive Hazard – No

TSCA – Listed

CEPA-(DSL) Listed

California Proposition 65

This product is not known to contain any of the components for which the State of California has found to cause cancer, birth defects or other reproductive harm.

Part 16: Other Information

Dynaflux, Inc.

241 Brown Farm Rd.

Cartersville, GA 30120 U.S.A.

Completed by: Eugene Schaffstall

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