Safety Data Sheet Dynaflux SDS 370B 02/10/2021

Product: 370 All Metal Cutting Fluid (Liquid)

## Part 1: Product and Company Identification

Identification 370B
Trade Name: 370 All Metal Cutting Fluid
Product Use: Metal cutting fluid and coolant
Manufacturers Name: Dynaflux, Inc.
241 Brown Farm Rd.
Cartersville, GA 30120 U.S.A.
Preparation Date: May 15, 2012
Emergency Telephone Number: For U.S.: 800-255-3924 International: 813-248-0585

## Part 2: Hazardous Identification

Signal Word: **DANGER**
**H226:** Flammable liquid and vapor

Appearance and Odor: Clear blue liquid; slight petroleum or hydrocarbon odor

| Component | CAS Number | % by Wt. |
|---|---|---|
| Hydrotreated naphthenic oil | 64742-53-6 and 64742-52-5 | 80-90 |

**Potential Health Effects**
**Acute Effects:**
**Eye**: Eye contact may result in slight irritation and redness.

**Skin:** Short term contact with skin is unlikely to cause any reaction. Excessive or repeated contact may result in dryness, dermatitis, erythema, cracking and defatting of the skin.

**Inhalation:** Inhalation of vapors or mist may be irritating to the respiratory passages. Prolonged exposure may result in dizziness and nausea.

**Ingestion:** May result in nausea or stomach discomfort.

**Chronic Effects:** None known

**Target Organs:** Lungs (oil mist)

**Medical Conditions Aggravated by Exposure:** pre-existing skin disorders.

**HMIS® (II)**

| | |
|---|---|
| Health | 1 |
| Flammability | 2 |
| Reactivity | 0 |
| PPE: | B |

**NFPA**

| | |
|---|---|
| Health | 1 |
| Flammability | 2 |
| Reactivity | 0 |
| Personal Protection | - |

## Part 4: First Aid Measures

**Eye Contact:**

Flush with water for 15 minutes. If irritation persists call a physician. **GHS Subcategory 2B**

**Skin Contact:**

Flush with water. Wash with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse.

**Inhalation:**

Remove to fresh air. Keep person calm, if not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

**Ingestion:**

Do not induce vomiting. If there is any suspicion of aspiration into lungs, obtain immediate medical attention. **GHS Category 5**

## Part 5: Fire Fighting Measures

This product is flammable (in accordance with aerosol flammability definitions, 16 CFR 1500.3 [c] (6).

**Flash Point:** >300°F (COC)

**Auto-Ignition Temperature:** >600°F

**U.E.L.:** None Established

**L.E.L. :** None Established

**Combustion Products:** fumes, smoke, carbon monoxide,

**Extinguishing Media:** Halon, dry chemical, foam, $CO_2$, water mist or fog**.**

**Unusual Fire and Explosion Hazard:**

Containers, when exposed to heat from fire, may build pressure and rupture. Vapors may accumulate in a confined space and create a flammable atmosphere.

### Protection of Firefighters:

Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

## 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. Eliminate all sources of ignition. Ventilate the area. Use self- contained NIOSH approved 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

**Handling Procedures:** Keep away from flames, sparks or hot surfaces. Wash thoroughly after handling and before handling food. See product label for use instructions.

**Storage Procedures:** Store in a cool dry area out of direct sunlight

## Part 8: Exposure Control / Personal Protection

**Exposure Guidelines**

| COMPONENT | OSHA | | ACGIH | | OTHER | | |
|---|---|---|---|---|---|---|---|
| | TWA | STEL | TWA | STEL | TWA | SOURCE | UNIT |
| Hydrotreated naphthenic oil | 5* | NE | 5* | NE | NE | | mg/m3 |
| | | | | | | | |

NE= Not Established

*= oil mist

**Controls and Protection:**
Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines.

**Respiratory Protection:**
None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Air monitoring is needed to determine actual employee exposure levels. Use a self-contained breathing apparatus in confined spaces and for emergencies.

**Eye/face protection:**
For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**Skin Protection:**
Use protective gloves such as nitrile or neoprene. Use full protective clothing if there is prolonged or repeated contact of liquid with skin.

## Part 9: Physical and Chemical Properties

Physical State: Blue translucent liquid
Odor: Slight hydrocarbon odor
Odor Threshold: ND
Specific Gravity: .887
Evaporation Rate: slow
Solubility: negligible
Ph: NA
Volatile Organic compounds: Wt %: 20.0

## Part 10: Stability and Reactivity

Stability- Product is stable
Hazardous Polymerization- will not occur.
Hazardous Decomposition Products: Oxides of carbon, sodium, or sulfur. Aldehydes.
Conditions to Avoid: Ignition sources, open flames, amines and strong bases.

## Part 11: Toxicological Information

**Acute Toxicity:**

| Component | Oral LD50 (rat) | Dermal KD50 (rabbit) | Inhalation LC50 (rat) |
|---|---|---|---|
| Hydrotreated naphthenic oil | >5000 mg/kg | >2000 mg/kg | 2.18 mg/L/4H |
| | | | |

Reproductive Toxicity: no information available
Teratogenicity: No information available.
Mutagenicity: Hydrotreated naphthenic oil: Mutagenic index of less than 1.0
Synergistic Effects: No information available.

Note: Long-term toxicological studies have not been conducted for this product. The data above is available for components of this product.

## Part 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: hydrotreated naphthenic oil – 96 HR LC50, Fathead minnow: >30,000 mg/L (static)
Degradability: This product is not readily biodegradable.
Bioaccumulation / Accumulation: No information available.
Mobility in Environment: no information available.

## Part 13: Disposal Consideration

Do not dump into any sewers, on the ground or into any body of water. Send to a permitted recycler. All disposal activities must comply with federal, state, provincial and local regulations.

## Part 14: Transportation Information

**DOT Shipping Classification**: Welding Compound 50390
IMDG:
UN No. UN1268
Shipping Name: PETROLEUM DISTILLATES N.O.S. (Naptha)
Class: 3
Packing Group: II
EmS Number : F-E S-E
Marine pollutant : No

## Part 15: Regulatory Information

U.S. Federal Regulations:

**Toxic Substances Control Act (TSCA):**
All ingredients are either listed on the TSCA inventory or are exempt.

**Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):**
Reportable Quantities (RQ's) exist for the following ingredients: None

**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.

**Superfund Amendments Reauthorization Act (SARA) Title III:**
Section 302 Extremely hazardous Substances (EHS): None

Section 311/312 hazard Categories:
Fire Hazard: Yes
Reactive Hazard: No
Release of Pressure: Yes
Acute Health Hazard: No
Chronic Health Hazard: No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR parts 372: None

Clean Air Act:
Section 112 Hazardous Air Pollutants (HAPs): None

**U.S. State Regulations:**
California Safe Drinking Water and Toxic Enforcement Act (Prop 65):
This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None.

Consumer Products VOC Regulations: This product is not regulated.

State Right to Know:
New Jersey: None
Pennsylvania: None
Massachusetts: None
Rhode Island: None

**Canadian Regulations:**
WHMIS Hazard Class: B5

Canadian DSL Inventory: All ingredients are either listed on the DSL Inventory or are exempt.

## Part 16: Other Information

Dynaflux, Inc.
241 Brown Farm Rd.
Cartersville, GA 30120 U.S.A.

**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 l 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.