Safety Data Sheet
Product: 306 Cold Galv (Liquid)

Dynaflux SDS 306B 04/22/2014

Part 1: Product and Company Identification

Identification 306B
Trade Name: 306 Cold Galv
Product Use: Protection against rust and corrosion on all metal surfaces.
Manufacturers Name: Dynaflux, Inc.
241 Brown Farm Rd.
Cartersville, GA 30120 U.S.A.
Preparation Date: 08/13/2013
Emergency Telephone Number: For U.S.: 800-255-3924 International: 813-248-0585

Part 2: Hazardous Ingredients

Signal Word: **DANGER**
H360: May damage fertility or the unborn child
H225: Highly flammable liquid and vapor

HAZARDOUS COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	VAPOR PRESS MMhG @ TEMP	SARA SEC. 313*	WEIGHT PERCENT
Aromatic Hydrocarbon Solvent	64742-95-6	100 PPM	100 PPM	2.0@68		10
1,2,4-Trimethylbenzene	95-63-6	25 PPM	25 PPM	NA	YES	<5
N-Butyl Acetate	123-86-4	150 PPM	150 PPM	8.4@68	YES	<5
MICA	12001-26-2	3MG/M3	3MG/M3	NA		<5
Sodium Silicoaluminate	1344-00-9	NOT ESTB	NOT ESTB	NA		<5
Zinc Dust*	7440-66-6	15MG/M3	10MG/M3	NA	YES	65
Mineral Spirits	8052-41-2	100 PPM	50 PPM	2.0@68	YES	>5
Toluene*	108-88-3		50PPM	22.0@68	YES	5

* Ingredients marked YES are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.

Part 3: Hazards Identification

Emergency Overview:
MAY BE HARMFUL IF INHALED.
MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
MAY BE HARMFUL IF SWALLOWED.
ASPIRATION HAZARD IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE.

MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: LUNGS, CNETRAL NERVOUS SYSTEM, DIGESTIVE SYSTEM, RESPIRATORY TRACT, SKIN, EYES, BLOOD, KIDNEYS, LIVER.
Continued next page

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Potential Acute health Effects:
Eyes: May cause eye irritation.
Skin: May cause skin irritation. Skin inflammation is characterized by itching, scaling, reddening, or occasionally blistering.

Inhalation: High vapor/mist concentration exposure can cause respiratory tract irritation, nausea, headaches, dizziness, and other central nervous system effects.
Ingestion: May cause irritation of gastrointestinal tract. If swallowed, aspiration into lungs may result in chemical pneumonitis and severe pulmonary injury.

H.M.I.S. Ratings

Health	*2*
Flammability	*3*
Reactivity	*0*
Special	-

NFPA Ratings

Health	*2*
Flammability	*4*
Reactivity	*0*
Personal Protection	d

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 holding eyelids open. Get medical attention. Do not allow rubbing of eyes or keeping eyes closed. **GHS Category 2A**
Skin Contact:
In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops or persists.
GHS Category 3
Inhalation:
If inhaled, remove to fresh air. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.
Ingestion:
Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. **GHS Category 4**

Part 5: Fire Fighting Measures

Flash Point: 50°F (Setaflash method), FLAMMABLE LIQUID
Flammability Limits in Air by Volume: LOWER: .09% UPPER 6.4%
Extinguishing Media: Film Forming Foam, Carbon Dioxide, Dry Chemical, Water Fog.
Products of Combustion: Carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes.
Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalis.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Keep containers tightly closed. Isolate from heat, sparks, and open flame.
Unusual Fire and Explosion Hazards: Closed containers may rupture when exposed to extreme heat. Application to hot surfaces requires special precautions. Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and rupture.

Part 6: Accidental Release Measures

Steps To Be Taken if Material Is Released Or Spilled:

Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

Part 7: Handling and Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid breathing vapor or mist. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.
Storage: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120°F. Store large quantities in buildings designed and protected for storage that comply with OSHA 1910.106. Drums of this material should be grounded when pouring.

Part 8: Exposure Control / Personal Protection

Engineering Controls:

Use a NIOSH-approved respirator to prevent overexposure, when exposure exceeds occupational exposure limits (Section 2). Use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors in compliance with 29 CFR 1910.134, with provision for mist removal if conditions so indicate. All application areas should be ventilated in accordance to OSHA 29 CFR 1910.94, 1910.107, 1910.108. Remove decomposition products formed during welding or flame cutting on surface coated with this product. If baking, vent fumes.

Personal Protection:

Safety eyewear including splashguards or side shields recommended. Protective outerwear. Vapor respirator, NIOSH-approved. Gloves

Personal Protection in Case of a Large Spill:

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

Part 9: Physical and Chemical Properties

Physical state and appearance: Liquid
Odor: Typical paint solvent odor
Specific Gravity: (water =1.0): 1.5
Solubility in Water: Negligible
pH: N.A.
Boiling Point: 228°F
Vapor Density: Heavier than air
Evaporation Rate: Slower than ether
VOC Emitted (lb/gal): 4.17

Part 10: Stability and Reactivity

Stability:
Stable under recommended storage conditions.
Avoid: Incompatible products
Incompatibilities: Oxidizing materials.
Hazardous Decomposition Byproducts: May produce hazardous fumes when heated to decomposition as in welding.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to Avoid: High temperatures

Part 11: Toxicological Information

Component Analysis – LD50/LC50

	LD50	LC50
Zinc	NE	NE
Aluminum Flake	NE	NE
Toluene	636mg/kg (Rat, Oral)	26700 ppm (RAT, Inhalation, 1 Hr)
Aromatic Hydrocarbon Solvent: LD50:	Acute oral toxicity: 1596 mg/kg (Mouse)	
	Acute dermal toicity: 13131 mg/kg (Rat)	

Part 12: Ecological Information

Product is a mixture of listed components.
Aromatic hydrocarbon solvents are moderately toxic to freshwater fish, invertebrate and algae.

Part 13: Disposal Consideration

Recover free liquid and transfer to intact disposal container. Dispose of in accordance with all Federal, State and Local Environmental regulations.

Part 14: Transportation Information

DOT Hazard Classification: Flammable Liquid N.O.S., 3, UN1993, PGIII

Part 15: Regulatory Information

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

CERCLA-SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Zinc	7440-66-6
Toluene	108-88-3

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.