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MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Black Flag Termin-8 Wood Preservative
Product Codes: 61248, 61249, 61250 (EPA REG. NO. 1022-518-79529)
Product Use: Wood Preservative
Supplier: Black Flag Brands, LLC
Address: 3300 Corporate Drive, Joliet, IL 60431
Business Phone: 800-887-3524 M-F, 9-5 EST
Medical Emergency: 1-866-767-5047 (24 Hour)
Transportation Emergency: 1-800-424-9300 (CHEMTREC 24 Hour)
Date: 8/6/2009

SECTION 2 – HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Extremely irritating. Causes irreversible eye damage. Corneal damage, including iridal and conjunctival effects.

SKIN: May cause skin irritation or rash on prolonged or repeated contact. Product may elicit a sensitizing response.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Can result in some corrosive action to the mouth, throat, esophagus, and stomach tissue. Product may be harmful or fatal if swallowed.

INHALATION: Harmful if inhaled. Inhalation of mist may cause irritation to respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE CHRONIC EFFECTS: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY: None.

SECTION 3 – COMPOSITION, INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>WEIGHT %</u>	<u>CAS NUMBER</u>
Copper Naphthenate	9.08	1338-02-9
Monoethanolamine	1-10	141-43-5

COMMENTS: Ingredients not identified are either proprietary or non-hazardous. Values are not product specifications.

SECTION 4 - FIRST AID MEASURES

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (Degrees F, Method): >200 TCC

FLAMMABLE LIMITS IN AIR (LEL/UEL, % by Volume): Non-Combustible. Limits Not Applicable.

Extinguisher Media: Foam, carbon dioxide, water spray, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Wear MSHA/NIOSH-approved, self-contained breathing apparatus and full protective clothing. Cool exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Wear appropriate protective clothing. Recover free liquid. Absorb remainder with sand or clay and place in a waste receptacle.

LARGE SPILL: Wear appropriate protective clothing (see Section 7). Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Pump liquid to a recovery vessel. Absorb remainder of material with sand or clay and place in a properly labeled waste receptacle. Follow all local, state, and federal regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes, or other bodies of water.

SECTION 7 – HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store away from food or feed in a secure, well ventilated area protected from extreme temperatures. Do not transfer to an unmarked container. Keep container closed when not in use. Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear. Keep out of reach of children.

OTHER PRECAUTIONS: Do not take internally. Application of this product may produce strong, lingering, unpleasant odor. Use in a well ventilated area. Provide fresh air to reduce chemical odors during use and while drying. Do not allow to freeze.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

CHEMICAL NAME		OSHA	ACGIH
		PEL	TLV
Monoethanolamine (141-43-5)	TWA	3.0 ppm	3.0 ppm
Copper Naphthenate (1338-02-9)	TWA	1.0 mg/M3	1.0 mg/M3

ENGINEERING CONTROLS: Ventilate via mechanical methods (general or local exhaust) to maintain exposure below TLV(s), if applicable. Good industrial hygiene practice dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYE: Chemical worker's goggles or face shield.

GLOVES: Wear impervious gloves, such as: Nitrile Rubber, Neoprene, PVA, PVC, or NBR(Buna-N). Special precautions should be taken to ensure that material cannot get inside gloves.

OTHER PROTECTIVE EQUIPMENT: None normally required. Use as necessary to prevent exposure. Safety showers and eyewash stations should be provided in all areas in which this product is stored and/or handled. Persons exposed routinely to this material should shower prior to leaving work each day. Work clothing should be changed daily.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Green liquid with a faint amine odor.

BOILING POINT (RANGE) (Deg F): 220 - 230

VAPOR PRESSURE (mm Hg): <24

VAPOR DENSITY (Air=1): >1
 pH RANGE: 10.1 - 10.9
 DENSITY (Lbs/Gal at 20°C): 8.65 - 8.95
 SPECIFIC GRAVITY (at 20°C): 1.04 - 1.07
 SOLUBILITY IN WATER: Miscible
 EVAPORATION RATE (nBuAC=1): <1
 VOC content: 221 grams/liter

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Acids, Strong Oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Material is not known to polymerize.

SECTION 11 - TOXICOLOGICAL INFORMATION

The following toxicity data was obtained from a substantially similar product:

ACUTE DERMAL LD50: 1,113 mg/kg (rabbit)

ACUTE ORAL LD50: 1,240 mg/kg (rat)

ACUTE EYE EFFECTS: Extremely irritating (Rabbit)

ACUTE SKIN EFFECTS: May cause skin irritation or rash on prolonged or repeated contact. Product may elicit a sensitizing response.

CHRONIC EFFECTS: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

SECTION 12 – ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms. DO NOT discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters. DO NOT discharge effluent containing this product to sewer systems without prior approval. DO NOT contaminate water when disposing of equipment wash waters.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available.

IF PARTLY FILLED: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

SECTION 14 - TRANSPORT INFORMATION

U.S. DOT (ROAD OR RAIL): NOT REGULATED

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

AIR / WATER / INTERNATIONAL TRANSPORT:

NO DATA AVAILABLE

SECTION 15 - REGULATORY INFORMATION

REGULATIONS UNDER FIFRA: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

UNITED STATES SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes

313 REPORTABLE INGREDIENTS: Copper Naphthenate (1338-02-9)

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355).

VOLATILE ORGANIC COMPOUNDS (VOC): 221 grams/liter

SECTION 16 - OTHER INFORMATION

This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to product container). This MSDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products is regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling. All necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

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