

ISK BIOCIDES, INC.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME:

CURAP® 20

Date of Last Revision: 6/17/02
EPA Reg. Number: 1022-536-71581

I. PHYSICAL AND CHEMICAL CHARACTERISTICS

| | |
|--|---|
| APPEARANCE AND ODOR: | Thick blue paste with a faint amine odor. |
| BOILING POINT (RANGE) (Deg F): | N/A |
| DENSITY (Lbs/Gal) (Water @20C = 8.33): | 10.1 |
| VAPOR PRESSURE (mm Hg): | >1 |
| Evaporation Rate (nBuAC=1): | <1 |
| VAPOR DENSITY (Air=1): | >1 |
| SOLUBILITY IN WATER: | Slight |
| pH RANGE (as 5% aqueous soln): | 10.60 - 11.60 |
| SPECIFIC GRAVITY: | 1.21 |

II. HAZARDOUS INGREDIENTS (See Section X Also)

| COMMON NAME | CHEMICAL NAME | C.A.S.# | % | OSHA PEL | ACGIH TLV |
|--------------------|---------------------------------|-----------|-------|-------------|------------|
| Copper Naphthenate | Naphthenic Acid, Copper Salt* | 1338-02-9 | 15-25 | 1.0 mg/CuM | 1.0 mg/CuM |
| 10 MOL Borax | Sodium Tetraborate, Decahydrate | 1303-96-4 | 35-45 | 10.0 mg/CuM | 5.0 mg/CuM |
| Monoethanolamine | 2-Aminoethanol | 141-43-5 | 10-20 | 3.0 ppm | 3.0 ppm |

Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372) requires that certain toxic chemicals be identified. Any such chemicals contained in this product are listed in Section II and are identified by an asterisk (*). OSHA's Hazard Communication (Standard 29CFR 1910.1200) requires hazardous chemicals to be listed and the MSDS to identify the hazards associated with the product. This information must be included in all MSDS's that are copied and distributed for this product.

HMIS HAZARD RATINGS

Health Hazard: 3 Fire Hazard: 1 Reactivity: 0 Special Hazard: ----

III. HEALTH HAZARD DATA (See Section IX Also)

(Based on the revised National Paint & Coatings Association Hazardous Materials Identification Rating System, 1984)

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

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.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL CHEMTREC AT 1-800-424-9300

Primary Routes Of Entry: Inhalation Eyes Skin Ingestion

TOXICOLOGY DATA AND EFFECTS OF OVEREXPOSURE:

EYES:

Corrosive. Causes irreversible damage on prolonged contact. Can cause severe irritation, redness, tearing, blurred vision.

INGESTION:

Acute Toxicity (Rat): LD50 Greater than 5,000 mg/kg. Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

INHALATION:

Material is in thick paste form. Under normal conditions, respirable material is not formed.

SKIN:

Acute Toxicity (Rat): LD50 Greater than 200 and less than 2,000 mg/kg. Prolonged contact may result in severe erythema and edema. Corrosive. Causes skin burns on prolonged or repeated contact. Non-sensitizer.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY: None.

IV. FIRE AND EXPLOSION HAZARD DATA

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. Avoid spraying water directly into storage containers due to danger of a boilover.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known.

V. REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Acids, Strong oxidants.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen.

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

VI. ENVIRONMENTAL HAZARDS AND PROCEDURES

This pesticide is toxic to fish. DO NOT apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: Wear appropriate protective clothing (see Section 7). Shovel into dry containers. On loose surfaces, shovel up contaminated layer. Avoid generation of dust.

LARGE SPILL: Wear appropriate protective clothing (see Section 7). Large spills are not likely to occur. Shovel into dry containers. On loose surfaces, shovel up contaminated layer. Avoid generation of dust. 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.

WASTE DISPOSAL METHODS: If these wastes cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide formulation or rinsate is a violation of federal law. Dispose of container in a sanitary landfill or by incineration if allowed by state and local authorities. If incinerated, stay out of smoke.

VII. SPECIAL PROTECTION EQUIPMENT

VENTILATION REQUIREMENTS: 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.

RESPIRATORY: If TLV for product or any component is exceeded, use a MSHA/NIOSH-approved respirator.

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: Wear long-sleeved shirts, long pants, and rubber boots or disposable coveralls when handling this product. The clothing should be changed daily. Impervious boots (nitrile rubber), aprons, or chemical suits should be worn when necessary to prevent skin contact. 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.

VIII. OTHER SPECIAL PRECAUTIONS

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: Wash thoroughly after skin contact and before eating, drinking, use of tobacco products, or using restrooms.

IX. ADDITIONAL INFORMATION

No additional information.

OSHA's Hazard Communication Standard, 29 CFR 1910, 1200 requires that a MSDS be kept on file and distributed to employees and/or customers. If this product is used at other locations, it is your responsibility to promptly distribute this information to that location. Additional copies of the Material Safety Data Sheets are available upon request.

X. SHIPPING INFORMATION

FREIGHT CLASSIFICATION: PRESERVATIVES, WOOD, N.O.I., PASTE - NMFC 161490

This product is classified for transportation purposes as follows:

| | YES | NO |
|-------------|-----|----|
| IATA (Air) | X | |
| IMO (Water) | X | |
| DOT (Land) | X | |

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller this product conformed to its chemical description and that it was reasonably fit for the purposes stated on the product label when used both in accordance with the Direction for Use appearing on the product label and under normal conditions of use. Buyers and users of this product assume the risk of all loss or damage from use or handling of this product that results from their failure to read and comply with the Directions for Use of this product which appear on the product label. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. Unless expressly prohibited by state law, the liability of seller for any breach of warranty shall not exceed the purchase price of the product as to which a claim is made.

CURAP® IS A REGISTERED TRADEMARK OF ISK AMERICAS INCORPORATED.