

M A T E R I A L S A F E T Y D A T A S H E E T

FT PINE CLEAN DISINFECTANT 4X1 CASE

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PRODUCT NAME: FT PINE CLEAN DISINFECTANT 4X1 CASE
PRODUCT CODE: FLDPD6NXCT-PCD-1

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: Formula Corporation
ADDRESS : 4432 C Street NE
Auburn, WA 98002

EMERGENCY PHONE : 800-228-5635 x059 **DATE REVISED :** 12/7/2011
INFORMATION PHONE : 800-772-7005
NAME OF PREPARER : REGULATORY DEPARTMENT

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
ISOPROPYL ALCOHOL OSHA PEL: 400, ACGIH TLV: 400, OTHER: 500	67-63-0	33 68 DEG F	9
PINE OIL OSHA PEL: NONE, ACGIH TLV: NONE, OTHER: 100	8002-90-3	20 1 DEG C	4
QUATERNARY AMMONIUM COMPOUND OSHA PEL: NONE, ACGIH TLV: NONE, OTHER: NONE	UNASSIGNED	UNKNOWN N/A	2

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

This product may contain chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING POINT: 180 DEG F **SPECIFIC GRAVITY (H2O=1):** .99
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
SOLUBILITY IN WATER: Complete **pH:** 6.0 - 8.5
APPEARANCE AND ODOR: Liquid, non-viscous, faint sweet odor.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 73 - 100 DEG F **METHOD USED:** COC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2 UPPER: 12.7
EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIREFIGHTING PROCEDURES

Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Extinguish all nearby sources of ignition because vapors may be moved by air currents to ignition sources distant from handling point.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID

Excessive heat, sparks, and open flames.

INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizers, aluminum, chlorine, acids, alkalis, amines, and halogens.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

May liberate carbon monoxide or carbon dioxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Undiluted vapors and mists irritate the nose and throat. Inhalation of higher concentrations may cause headaches and vomiting. Inhalation of very high concentrations or prolonged exposure may cause unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYES - Vapors, liquid, and mists are irritating. Liquid and mists may damage the eyes. SKIN - Vapor, liquid, and mists are irritating to skin. Prolonged exposure may burn the skin.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Redness, drying of skin, or other signs of irritation or contact dermatitis. May result in primary irritant dermatitis. A single prolonged exposure is not likely to be absorbed through the skin in harmful amounts.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Swallowing the liquid may cause headaches, nausea, vomiting, and diarrhea. Swallowing large quantities may cause liver and kidney injury.

HEALTH HAZARDS (ACUTE AND CHRONIC)

CHRONIC - Prolonged or repeated exposure of high concentrations can produce severe or fatal CNS depression.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

The components of this product are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer, or the Occupational Safety and Health Administration.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Persons with pre-existing skin disorders, eye problems, impaired respiratory function may be more susceptible to effects

EMERGENCY AND FIRST AID PROCEDURES

INHALATION - Remove to fresh air. Give artificial respiration if not breathing. EYES - Flush immediately with large amounts of water for at least 15 minutes holding eyelids open. Get medical attention. SKIN - Immediately wash skin with lots of soap and water. Remove contaminated clothing & shoes. Get medical attention. INGESTION - If conscious, drink 2 glasses of water. Consult a physician or poison control center immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

EXTINGUISH ALL IGNITION SOURCES. For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Keep material out of sewers, storm drains, surface waters, and soil.

WASTE DISPOSAL METHOD

Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Dispose of contaminated product and materials used in clean up in a manner approved for this material and the contaminant. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. Store in a cool dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use. Vent container frequently, and more often in warm weather, to relieve pressure. Do not use pressure to empty container.

OTHER PRECAUTIONS

Empty containers usually still hold residues of material and vapors. These must be considered hazardous and disposed of in accordance with proper handling procedures prescribed for hazardous chemicals. When mixing with water, always add this product to water and stir.

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

In the absence of adequate ventilation an approved respirator may be required.

VENTILATION

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Be sure to provide adequate ventilation in all working areas at all time. In general, health problems could result from repeated and prolonged exposure to chemical vapors.

PROTECTIVE GLOVES

Wear resistant gloves such as polyethylene or rubber.

EYE PROTECTION

Chemical splash goggles should be worn during application of this product.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Where gross eye and skin contact may occur use and wear appropriate clothing, rubber boots with pants on the outside, and rubber gloves.

WORK/HYGIENIC PRACTICES

Standard hygienic practices must be observed when handling all chemicals.

===== SECTION IX - DISCLAIMER =====

Information contained herein is furnished without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and for the safety and health of employees.