



**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: DDDS One Step Pine  
PRODUCT USE: Dilutable disinfectant  
MANUFACTURED FOR: Warsaw Chemical Holdings LLC.  
P.O. Box 858  
Warsaw, IN 46581  
INFORMATION PHONE: Tel: 1-800-548-3396  
Fax: 1-574-267-3884  
EMERGENCY PHONE: INFOTRAC  
1-800-535-5053 USA & Canada  
352-323-3500 International

**SECTION 2 - HAZARD(S) IDENTIFICATION**

CLASSIFICATION: Acute Toxicity - Oral: Category 5  
Acute Toxicity - Skin: Category 5  
Eye Damage: Category 2B  
PICTOGRAMS:  
GHS ELEMENTS:  
SIGNAL WORD: Warning  
HAZARD STATEMENT(S): H303 | May be harmful if swallowed.  
H313 | May be harmful in contact with skin.  
H320 | Causes eye irritation.  
PRECAUTIONARY STATEMENT(S): P264 | Wash any exposed body parts thoroughly after handling.  
P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 | Call a POISON CENTER or doctor/physician if you feel unwell.  
P337 + P313 | If eye irritation persists: Get medical advice/attention.  
ADDITIONAL PRECAUTIONS: None Known

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS #	PERCENT
Surfactant	Not Available	5 - 10%
Chelating agent	1643-20-5	1 - 5%
Surfactant	68439-46-3	1 - 5%



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Ethoxylated Alcohols	8002-09-3	< 1.0%
Pine Oil	77-92-9	< 1.0%
Citric Acid	Not Available	< 1.0%
#328 Sunflower Yellow Dye		< 1.0%

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR19191200 (i). No other ingredients known to be hazardous.

## SECTION 4 - FIRST AID MEASURES

<b>EYES:</b>	Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
<b>SKIN:</b>	Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.
<b>INHALATION:</b>	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.
<b>INGESTION:</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>GENERAL:</b>	Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

## SECTION 5 - FIRE FIGHTING MEASURES

<b>FLAMMABILITY:</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>EXTINGUISHING MEDIA:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>PROTECTIVE EQUIPMENT:</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
<b>ADDITIONAL INFORMATION:</b>	Thermal decomposition products-carbon monoxide, sulfur oxides, metal oxide/oxides, halogenated compounds.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS:</b>	No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment.
<b>ENVIRONMENTAL:</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways,



drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.

**CONTAINMENT/CLEANUP:** Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

**SECTION 7 - HANDLING AND STORAGE**

**SAFE HANDLING:** Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.

**SAFE STORAGE:** Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.

**EYE PROTECTION:** Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**RESPIRATORY PROTECTION:** Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.

**HAND PROTECTION:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**SKIN PROTECTION:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Surfactant	1000.00	1000.00	None
Chelating agent	None	None	2.00
Surfactant	1.40	None	None
Ethoxylated Alcohols	None	None	None
Pine Oil	None	None	None
Citric Acid	None	None	None
#328 Sunflower Yellow Dye	None	None	None

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid	UPPER EXPLOSIVE LIMITS:	NA
COLOR:	Orange	LOWER EXPLOSIVE LIMITS:	NA
ODOR:	Pine	VAPOR PRESSURE:	NA
ODOR THRESHOLD:	NA	VAPOR DENSITY:	NA
PH:	08.1 - 10.0	RELATIVE DENSITY:	NA
MELTING POINT:	NA	SOLUBILITY:	Water Soluble
FREEZING POINT:	32.00 F	PARTITION COEFFICIENT:	NA
BOILING POINT:	NA	AUTO-IGNITION TEMPERATURE:	NA
FLASH PT METHOD:	NA	DECOMPOSITION TEMPERATURE:	NA
FLASH POINT:	NA	SPECIFIC GRAVITY:	1.00000
EVAPORATION RATE:	NA	% VOLATILE:	1.00000
FLAMMABILITY:	Nonflammable	VISCOSITY (cst):	NA

## SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:	HAZARDOUS DECOMPOSITION PRODUCTS
CHEMICAL STABILITY:	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Stable under normal conditions
CONDITIONS TO AVOID:	None known
INCOMPATIBLE MATERIALS:	Strong acids and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Material does not decompose at ambient temperatures.

## SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY:                      Inhalation                      X    Absorption                      X    Ingestion

ACUTE EXPOSURE HAZARDS:

EYE CONTACT:                      Irritation



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DERMAL: None expected.  
ORAL: Nausea, diarrhea.  
INHALATION: Minimally toxic based on test data for structurally similar materials.

Surfactant (CAS No. Not Available)

Oral LD50: 430 mg/kg

Chelating agent (CAS No. )

Oral LD50: Rat 3030 mg/kg

Surfactant (CAS No. 1643-20-5)

Oral LD50: Rat 500-5000 mg/kg

Ethoxylated Alcohols (CAS No. 68439-46-3)

Oral LD50: Rat 1400 mg/kg

## SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.  
PERSISTENCE & DEGRADABILITY: No data available.  
BIOACCUMULATIVE POTENTIAL: No data available.  
MOBILITY IN SOIL: No data available.  
OTHER ADVERSE EFFECTS: No data available.

Surfactant (CAS No. Not Available)

Fish LC50: 0.515 mg/l 96h, bluegill

Chelating agent (CAS No. )

Fish LC50: Minnow >100 mg/L 96hr

Surfactant (CAS No. 1643-20-5)

Fish LC50: greater than .71 mg/l 96h, danio

Crustacean LC50: greater than 0.08mg/L 48h Daphnia

Ethoxylated Alcohols (CAS No. 68439-46-3)

Fish LC50: Minnow 8.5 mg/L 48h

Pine Oil (CAS No. 8002-09-3)

Crustacean LC50: 17-28 mg/L 48h Daphnia

## SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

## SECTION 14 - TRANSPORT INFORMATION





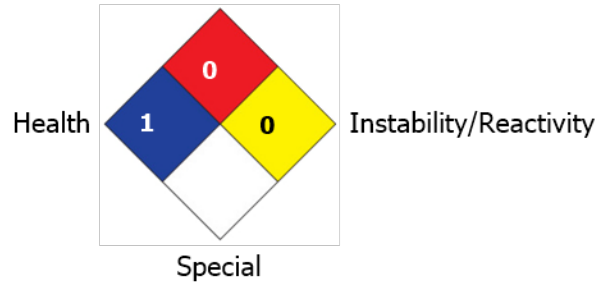
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NATIONAL FIRE PROTECTION  
ASSOCIATION (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals.

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In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any product for its own particular purpose. All materials may represent unknown hazards and should be used with caution.