## 1 PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer**
Wechem, Inc
5734 Susitna Dr
Harahan, LA 70123

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**Phone:** 504-733-1152
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**Web:** www.wechem.com

**Product Identifier:** Pine Plus
**SDS Number:** D350A
**Product Code:** D350
**Revision Date:** 5/5/2017
**Product Use:** General Purpose Cleaner & Deodorizer

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

## 2 HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Physical, Flammable Liquids, 4
Health, Aspiration hazard, 1
Health, Skin corrosion/irritation, 1 A

### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** DANGER

**GHS Hazard Pictograms:**

**GHS Hazard Statements:**

H227 - Combustible liquid
H304 - May be fatal if swallowed and enters airways
H314 - Causes severe skin burns and eye damage

**GHS Precautionary Statements:**

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.

P403+235 - Store in a well ventilated place. Keep cool.
P501 - Dispose of contents/container in accordance to local/regional/national/international regulations.

### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

**Route of Entry:** Inhalation, ingestion, eye,skin
**Target Organs:** NA
**Inhalation:** May cause respiratory irritation.
**Skin Contact:** Corrosive. Causes skin burns.
**Eye Contact:** Danger : Corrosive. Causes irreversible eye damage.
**Ingestion:** May be fatal if swallowed.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Ingredients:**

| CAS# | % | Chemical Name: |
|---|---|---|
| 68391-01-5 | 1% | N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE |
| 68956-79-6 | 1% | N-ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE |
| 67-63-0 | 5-10% | 2-Propanol |
| 8002-09-3 | 4% | Pine oil |

## 4 FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get immediate medical advice/attention.
**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get immediate medical advice/attention.
**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

## 5 FIRE FIGHTING MEASURES

**Flammability:** Combustible
**Flash Point:** 105 Deg F (36.1 Deg C)
**Flash Point Method:** PMCC
**Burning Rate:** ND
**Autoignition Temp:** ND
**LEL:** ND
**UEL:** ND

Extinguishing media: Foam, dry chemical, carbon dioxide, water
Special fire fighting procedures: Keep upwind of fire. Wear full fire fighting turn-out gear ( full Bunker gear) and respiratory protection (SCBA) with a full face piece operated in positive pressure mode.
Unusual Fire & Explosion Hazards: None

## 6 ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Avoid any contact witht the skin and eyes.

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Scoop up material and place in a disposal container. Provide ventilation.

## 7 HANDLING AND STORAGE

**Handling Precautions:**

Corrosive. Keep away from sources of ignition- No smoking. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Do not get in eyes, on skin, or on clothing. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practices. Use only non-sparking tools.

Do not reuse or refill empty container. Triple rinse (or equivalent) container before disposal.

Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

**Storage Requirements:**

Corrosive. Store in a cool dry place no lower in temperature than 50°F or higher than 120°F and away from incompatibles, sparks and open flame. Store in a tightly closed container in an area inaccessible to children.

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

Avoid freezing.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Personal Protective Equipment:**

Eye/face protection: Face shield and safety glasses/goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 480 min Material tested:Camatril (KCL 730 / Aldrich Z677442, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.2 mm Break through time: 60 min Material tested:Dermatril P (KCL 743 / Aldrich Z677388, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: None needed under normal use conditions. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested

and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Do not eat, smoke, or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.
2-Propanol cas#:(67-63-0) [5-10%]

Components with workplace control parameters

| | | |
|---|---|---|
| TWA | 200 ppm | USA. ACGIH Threshold Limit Values (TLV) |

Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Not classifiable as a human carcinogen

| | | |
|---|---|---|
| STEL | 400 ppm | USA. ACGIH Threshold Limit Values (TLV) |

Eye & Upper Respiratory Tract irritation
Central Nervous System impairment
Not classifiable as a human carcinogen

| | | |
|---|---|---|
| TWA | 400 ppm<br>980 mg/m3 | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000 |
| STEL | 500 ppm<br>1,225 mg/m3 | USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000 |
| TWA | 400 ppm<br>980 mg/m3 | USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants |

The value in mg/m3 is approximate.

| | | |
|---|---|---|
| TWA | 400 ppm<br>980 mg/m3 | USA. NIOSH Recommended Exposure Limits |
| ST | 500 ppm<br>1,225 mg/m3 | USA. NIOSH Recommended Exposure Limits |

## 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance:** | Clear to slightly hazy liquid | | |
| **Physical State:** | Liquid | **Odor:** | Characteristic |
| **Particle Size:** | NA | **Molecular Formula:** | NA |
| **Spec Grav./Density:** | (H20=1): 0.988 +/- 0.1@ 25 Deg F | **Solubility:** | Complete |
| **Viscosity:** | NA | **Softening Point:** | NA |
| **Saturated Vapor Concentration:** | NA | **Percent Volatile:** | NA |
| **Boiling Point:** | 97 Deg. F (36.1 Deg. C) | **Heat Value:** | NA |
| **Flammability:** | Combustible | **Freezing/Melting Pt.:** | NA |
| **Vapor Pressure:** | ND | **Flash Point:** | 105 Deg F (36.1 Deg C) |
| **pH:** | 6.5 +/- 1 | **Octanol:** | NA |
| **Evap. Rate:** | Est. Slower than Ethyl Ether | **Vapor Density:** | (Air=1): <1 |
| **Molecular weight:** | NA | **VOC:** | 8.9 % |
| | | **Bulk Density:** | NA |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| **Chemical Stability:** | Stable. No dangerous reaction known under conditions of normal use. |
| **Conditions to Avoid:** | Contact with strong oxidizing agents |
| **Materials to Avoid:** | Strong oxidizing agents, anionic compounds |
| **Hazardous Decomposition:** | Oxides of nitrogen and ammonia |
| **Hazardous Polymerization:** | Will not occur |

## 11 TOXICOLOGICAL INFORMATION

Data summary for the components are as follows:

2-Propanol cas#:(67-63-0)

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - 5,045 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Somnolence (general depressed activity).
LC50 Inhalation - rat - 8 h - 16000 ppm
LD50 Dermal - rabbit - 12,800 mg/kg
no data available

Skin corrosion/irritation: Skin - rabbit Result: Mild skin irritation

Serious eye damage/eye irritation: Eyes - rabbit Result: Eye irritation - 24 h

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: NT8050000

Central nervous system depression, prolonged or repeated exposure can cause:, Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects.
Kidney - Irregularities - Based on Human Evidence

Pine Oil (8002-09-3)
Oral LD50 3200 mg/kg/ (Rat)
Dermal LD50 5 g/kg (Rabbit)

Ethanol (64-17-5)
Oral LD50 7060 mg/kg (Rat)
Inhalation LC50 124.7 mg/L, 4h, (Rat)

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Calculated overall Chemical Acute Toxicity Values
Oral LD50  .2000 mg/kg  (Rat)
Dermal LD50  >2000 mg/kg  (Rabbit)
Inhalation LC50  >20 mg/L, 4h, (Rat)
```

## 12 ECOLOGICAL INFORMATION

May cause long-term adverse effects in the aquatic environment.
Toxic to fish
This product is biodegradable.

2-Propanol cas#:(67-63-0) [5-10%]

Information on ecological effects

Toxicity:
Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h.
Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h.
other aquatic invertebrates
Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h
Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h.
EC50 - Algae - > 1,000.00 mg/l - 24 h

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

## 13 DISPOSAL CONSIDERATIONS

Do not reuse or refill container. Offer for recycling, if available. Triple rinse container promptly after emptying. Dispose of contents and /or container in accordance to local/ regional/ national/ international regulations.

2-Propanol cas#:(67-63-0)

Waste treatment methods

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

## 14 TRANSPORT INFORMATION

Not Regulated

## 15 REGULATORY INFORMATION

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Component (CAS#) [%] - CODES
-----------------------------------------------------------------
N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (68391-01-5) [1%] TSCA

N-ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE (68956-79-6) [1%] TSCA

2-Propanol (67-63-0) [5-10%] MASS, NJHS, NRC, OSHAWAC, PA, TSCA, TXAIR

Pine oil (8002-09-3) [4%] TSCA
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This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

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Regulatory CODE Descriptions
-----------------------------------------------------------------
TSCA = Toxic Substances Control Act
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level
```

## 16 OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

Revision Date: 5/5/2017