



COMPLETE CLEANING SOLUTIONS

# SAFETY DATA SHEET

ACP-400 – AroFect Pine Cleaner & Deodorizer

Date: 9/05/2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** AroFect Pine Cleaner & Deodorizer

**Other Means of Identification**

**Product Code** 400

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** Cleaner/Deodorant.

**Details of the Supplier of the Safety Data Sheet**

**Manufacturer Address** Arrow Chemical Products, Inc.  
5933 W. KL Ave  
Kalamazoo, MI 49009

**Emergency Telephone Number**

**Company Phone Number** 313-237-0277  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Classification**

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

**Signal Word**

**WARNING**

**Hazard Statements**

Causes skin irritation  
Causes serious eye irritation

**Appearance** Brownish liquid

**Physical State** Liquid

**Odor** Pine odor

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not taste or swallow.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
When using product do not smoke, eat or drink.

**Precautionary Statements - Response**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

**IF SWALLOWED:** Immediately call a doctor or poison control center. Rinse mouth. DO NOT induce vomiting.

**Precautionary Statements - Storage**

Store locked up in a well-ventilated place. Keep out of reach of children. Keep unused container tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Pine oil	8002-09-3	5 - 10
Tall oil	61790-12-3	5 - 10
Isopropyl Alcohol	67-63-0	5 - 10
Potassium hydroxide	1310-58-3	0 - 3
Sodium Hydroxide	1310-73-2	0 - 3

**4. FIRST AID MEASURES**

**First Aid Measures**

- General Advice** If exposed or concerned: Get medical advice/attention.
- Inhalation** Remove to fresh air. Seek medical attention if irritation persists. Minimize exposure especially in confined areas.
- Eye Contact** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- Ingestion** Do NOT induce vomiting. Immediately drink 2-3 glasses of milk. Get medical attention immediately.
- Skin Contact** Wash skin thoroughly with mild soap and water. Remove contaminated clothing and shoes. If irritation or redness develops, seek medical attention.

**Most Important Symptoms and Effects, both Acute and Delayed**

- Symptoms** May cause eye and skin irritation. Ingestion can cause a mild tingling of the tongue and mouth. Respiratory irritation may include cough, dizziness, drowsiness, headache, and sore throat.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

- Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Water or suitable material for primary source of fire.

- Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

If heated above its flash point in the presence of air, product can support combustion. Porous material such as rags, paper, insulation or organic clay may spontaneously combust when wetted with this product.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Small spills: Absorb with inert material.  
Large spills: Eliminate all sources of ignition, stop spill as soon as possible, and contain spill area with dike and other available confinement. Rinse spill area with plenty of water.

**Methods for Cleaning Up** Keep in suitable, closed containers for disposal. Soak up with inert absorbent material. Take precautionary measures against static discharges.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Keep containers closed when not in use. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep out of the reach of children. Keep container closed when not in use. Store locked up. Keep away from oxidizers and incompatible materials. Store in a cool, dry, well-ventilated place.

**Incompatible Materials** Oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>
Isopropyl Alcohol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm	
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2mg/m <sup>3</sup>
Tall Oil 61790-12-3	TWA: 5 mg/m <sup>3</sup> respirable STEL: 10 mg.m <sup>3</sup> respirable	5 mg/m <sup>3</sup> respirable	

**Appropriate Engineering Controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Provide eye wash and safety shower.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Face shield and chemical anti-splash safety goggles.

**Skin and Body Protection** Rubber gloves.

**Respiratory Protection** A respirator is generally not required. If vapor concentration is suspected to be high, use NIOH/MSHA approved TC-23-76 and TC-23-123 for organic vapors.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<p><b>Physical State</b> <b>Appearance</b> <b>Color</b></p>	<p>Liquid Brownish liquid Brownish</p>	<p><b>Odor</b> <b>Odor Threshold</b></p>	<p>Pine odor Not determined</p>
<p><b><u>Property</u></b> pH <b>Melting Point/Freezing Point</b> <b>Boiling Point/Boiling Range</b> <b>Flash Point</b> <b>Evaporation Rate</b> <b>Flammability (Solid, Gas)</b> <b>Upper Flammability Limits</b> <b>Lower Flammability Limit</b> <b>Vapor Pressure</b> <b>Vapor Density</b> <b>Specific Gravity</b> <b>Water Solubility</b> <b>% Volatiles</b> <b>Explosive Properties</b> <b>Oxidizing Properties</b></p>	<p><b><u>Values</u></b> &gt;13 Not determined Not determined &gt;149 °C / &gt;365 °F 1 N/A- Liquid Not determined Not determined Not determined Not determined Not determined 1.008 Complete 99.0 Not an explosive Not determined</p>	<p><b><u>Remarks • Method</u></b>    (Water = 1)</p>	

**10. STABILITY AND REACTIVITY**

**Reactivity**  
Not reactive under normal conditions.

**Chemical Stability**  
Stable under normal conditions.

**Possibility of Hazardous Reactions**  
None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**  
Strong oxidizing agents

**Incompatible Materials**

Oxidizing agents.

**Hazardous Decomposition Products**

Carbon oxides. Hydrocarbons. Degraded alcohols and terpene hydrocarbons.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

- Inhalation**                                      May cause labored breathing and irritation of the lungs.
- Eye Contact**                                      May cause eye irritation including redness and pain.
- Skin Contact**                                      May cause skin irritation which includes dryness and redness.
- Ingestion**    Do not taste or swallow. May cause abdominal pain, nausea and vomiting.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Pine oil 8002-09-3	3200 mg/kg ( Rat )	5000 mg/kg ( Rabbit )	-
Tall oil 8002-26-4	>10000 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	-
Isopropyl Alcohol 67-63-0	5050 mg/kg ( Rat )	12800 mg/kg ( Rabbit )	
Potassium hydroxide 1310-58-3	= 214 mg/kg ( Rat )	-	-
Sodium Hydroxide 1310-73-2	2 k/kg ( Rabbit )	300 – 500 mg.kg ( Rat )	

**Information on Physical, Chemical and Toxicological Effects**

- Symptoms**    May cause eye and skin irritation. Ingestion can cause a mild tingling of the tongue and mouth. Respiratory irritation may include cough, dizziness, drowsiness, headache, and sore throat.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

- Carcinogenicity**                                      This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea

Tall oil 8002-26-4	EC50: Nizschia Closterium 855 mg/L 72 h	LC50: Fathead Minnow >1000 mg/l 96 h Zebra Fish >10000 mg/l 96 h	EC50: Daphnia magna 1000 mg/L 48 h
Isopropyl Alcohol 67-63-0		LC50: Fish 9640 mg/L 96 h	EC50: Crustaceans 1400 mg/L 48 h
Potassium hydroxide 1310-58-3	ErC50: Selenastrum capricornutum 61 mg/l 96 h	LC50 Mosquito fish 80 mg/L 96 h Fathead Minnow 179 mg/L 96 h	EC50: Daphnia Magna 60 mg/L 48 h

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

None known.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated Packaging**

Do not reuse or refill containers. Clean container promptly after emptying. Triple rinse with water then offer to recycling or reconditioning.

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

NA1760 Compounds, Cleaning Liquid, 8,III

**IATA**

NA1760 Compounds, Cleaning Liquid, 8,III

**IMDG**

NA1760 Compounds, Cleaning Liquid, 8,III

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(b) Inventory	Yes
<b>DSL</b>	Canadian Domestic Substances List	Yes
<b>NDSL</b>	Non-Domestic Substances List	No
<b>AICS</b>	Australian Inventory of Chemical Substances	Yes
<b>EINECS</b>	European Inventory of Existing Chemical Substances	Yes
<b>ELINCS</b>	European List of Notified Chemical Substances	No
<b>ENCS</b>	Japan Existing and New Chemical Substances	No
<b>IECSC</b>	China Inventory of Existing Chemical Substances	Yes
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances	Yes
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances	Yes

**US Federal Regulations**

**SARA 313**

No ingredients over 1% are listed.

**CERCLA Reportable Quantity**

The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Sodium Hydroxide	1310-73-2	1000 lbs.
Potassium Hydroxide	1310-58-3	1000 lbs.

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Pine oil 8002-09-3	X		
Isopropyl Alcohol 67-63-0	X		X
Potassium Hydroxide 1310-58-3		X	X
Sodium Hydroxide	X		X

**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	0	0	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	0	0	B

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**