



COMPLETE CLEANING SOLUTIONS

SAFETY DATA SHEET

ACP-240 – Aro-Concentrate All Purpose Cleaner

Date 08/14/2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Aro-Concentrate All Purpose Cleaner

Other Means of Identification

Product Code ACP-240

Recommended Use of the Chemical and Restrictions on Use

Recommended Use All purpose cleaner.

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

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Hazard Statements

Harmful if swallowed
Causes severe skin burns and eye damage

Signal Word

DANGER



Appearance Amber liquid

Physical State Liquid

Odor Pleasant Fragrance

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Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

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 (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. .Rinse mouth

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-%
Trisodium Phosphate Dodecahydrate	10101-89-0	0 - 10
Potassium Hydroxide	1310-58-3	0 - 5
Tall Oil Fatty Acid	61790-12-3	0 – 5

4. FIRST AID MEASURES

First Aid Measures

General Advice	If exposed or concerned: Get medical advice/attention.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation occurs.
Eye Contact	Immediately flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation occurs.
Ingestion	Drink plenty of water or milk immediately. Do NOT induce vomiting. If symptoms persist, get medical attention.
Skin Contact	Wash with plenty of soap and water. Get medical attention if irritation occurs.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Irritation to skin and eyes. Irritation by inhalation. Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water or suitable material for primary source of fire.

Unsuitable Extinguishing Media None known.

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products Carbon monoxide.

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 Absorb spilled material and sweep up.

Environmental Precautions Prevent product from entering drains. Do not flush into surface water or sanitary sewers.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Absorb spilled material and sweep up. Do not hose spills down drains, sewers, or waterways. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Do not eat, drink or smoke when handling this product. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. Store away from incompatible materials. Store in a well ventilated area. Keep container tightly closed.

Incompatible Materials Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³	-
Tall Oil Fatty Acid 61790-12-3	TWA: 5 mg/m ³ (respirable)	TWA: 5 mg.m3 (respirable)	TWA: 10 mg/m3 (respirable)
Trisodium Phosphate Dodecahydrate 10100-89-0	TWA: 10 mg/m3 (inhalable) 8 h TWA: 3 mg/m3 (respirable) 8 h	TWA: 15 mg/m3 (total dust) 8 h TWA: 5 mg/m3 (respirable) 8 h	

Appropriate Engineering Controls

Engineering Controls Good general ventilation (local exhaust) should be sufficient. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Splash proof chemical safety goggles.

Skin and Body Protection Impervious gloves and clothing.

Respiratory Protection Under normal circumstances, no protective equipment is needed. .

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Pleasant fragrance
Appearance	Amber liquid	Odor Threshold	Not determined
Color	Amber		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	11.5 – 13.5		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	Not determined		
Flash Point	Not Applicable		
Evaporation Rate	1	Water = 1	
Flammability (Solid, Gas)	N/A- Liquid		
Upper Flammability Limits	Not Applicable		
Lower Flammability Limit	Not Applicable		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.028		
Water Solubility	Soluble		
Solubility in Other Solvents	Not Applicable		
Partition Coefficient	Not determined		
Auto ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Will not occur.

Conditions to Avoid

None known.

Incompatible Materials

Acids

Hazardous Decomposition Products

Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation	Avoid breathing vapors or mists.
Eye Contact	May cause eye irritation.
Skin Contact	May cause skin irritation.
Ingestion	Do not taste or swallow. Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium Hydroxide 1310-58-3	273 mg/kg (Rat)	-	-
Trisodium Phosphate Dodecahydrate 10101-89-0	6500 mg/kg (Rat)	7949 mg/kg (Rabbit) 4h	-
Tall Oil Fatty Acid 61790-12-3	>10000 mg.kg (Rat)	>2000 mg/kg (Rabbit)	

Information on Physical, Chemical and Toxicological Effects

Symptoms	Irritating to skin.
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Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Skin Corrosion/Irritation	May cause skin irritation.
Serious Eye Damage/Eye Irritation	May cause eye irritation.
Carcinogenicity	No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, IARC, OSHA, or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product is alkaline, may raise the pH of surface waters with a low buffering capacity.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Potassium Hydroxide 1310-58-3	EC50: Selenastrum capricornutum 61 mg/l 96 h	LC50 L Mosquito fish 80mg/l 96 h	-	EC50: Daphnia Magna 60 mg/l 48 h
Trisodium Phosphate 10101-89-0	-	LC50: Bluegill sunfish 440 mg/l 96h Rainbow trout 260 mg/l 96 h	-	EC50: Daphnia magna >1000 mg/L 48 h

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Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tall Oil Fatty Acids 61790-12-3	EL50: Nitzschia Closterium 855 mg/l 72 h	LL50: Fathead Minnow >1000 mg/l 96 h Zebra Fish >10000 mg.l 96 h	-	EC50: Daphnia magna 1000 mg/l 48 h

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

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

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

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

TSCA Listed

DSL Listed

NDSL Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

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US Federal Regulations

CERCLA Reportable Quantity The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Potassium Hydroxide	1310-58-3	1000 lbs.
Trisodium phosphate	10101-89-0	5000 lbs.

SARA 313 No ingredients of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium Hydroxide 1310-58-3	X	X	X
Trisodium Phosphate 10101-89-0	X	X	X

16. OTHER INFORMATION

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