



Safety Data Sheet (SDS)

ProARC Cleaner

Section I IDENTIFICATION

Product- Pro ARC Cleaner

CAS number Benzyl Alcohol: 0000100-51-6
D-Limonene: 5989-27-5

Distributor (address)- ARC International
10955 Withers Cove Park Drive
Charlotte, NC 28279

Emergency phone number- 864-269-3488

Recommended Use- Cleaning printing equipment, a general de-inking and de-greasing cleaner. Restrictions on use- Keep away from open flames and high temperature heat sources.

Section II Hazard(s) Identification

NFPA Classification: Health- 2, Flammability- 1, Reactivity- 0, Personal Protection- B
2012 OSHA Hazard Communication Standard 29 CFR 1910.1200. This material is considered an eye and skin irritant, flammable.

Eye irritant, possible tissue damage (category 2)

Skin corrosion/irritation (category 2)

Flammable liquid, and vapor (category 1)

Skin sensitizer (category 1)

Warning- May be harmful if swallowed.

Section III Composition/Information

CAS #	Chemical Name	Weight %	Trade Secret*
0000100-51-6	Benzyl Alcohol	10-90	Yes
5989-27-5	Orange Terpenes	90-10	Yes

* The exact percentages of composition has been withheld as a trade secret.

Section IV

First Aid Measures

General: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area. See a physician and get medical attention.

Skin Contact: Remove contaminated clothing/apparel and flush affected area with plenty of water for 15 minutes, or longer. When possible, wash with mild soap and water till no evidence of contamination remains. Get medical advice/attention if symptoms occur. Wash contaminated clothing/apparel before re-use.

Eye Contact: Immediately flush eyes with plenty of clean water for an extended time, not less than 15 minutes. Ensure adequate flushing of the eyes by separating eyelids with fingers and roiling eyes in a circular motion. If irritation persists, get medical attention.

Inhalation: Remove to fresh air until normal breathing returns. If symptoms persist, get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water then drink plenty of water. Never give anything to an unconscious person. Call a physician for advice or get medical attention.

Symptoms, Acute and Delayed: Acute symptoms can include dizziness, drowsiness, headache, irritation, and nausea. Delayed symptoms, review for allergic reaction, treat symptomatically.

Section V

Fire-fighting measures

Suitable Extinguishing Media: Use water spray, ABC dry chemical, foam, or carbon dioxide extinguishers.

Specific Hazards: Thermal decomposition may cause irritating vapors. Do not breathe fumes.

Explosion Hazard: Product not sensitive to mechanical impact nor static discharge, but may burn.

Protective Equipment: As with any fire, wear self-contained breathing apparatus and full protective gear.

Section VI

Accidental Release measures

Personal Precautions: Remove sources of ignition and ensure adequate ventilation. Use personal protective equipment as required.

Environmental Precautions: Prevent spillage or leakage from entering drains. Do not flush into surface water or sanitary sewer system.

Methods for Containment/Clean up: Absorb spill with inert material. Place into labeled closed container and store in a safe location to await disposal.

Section VII

Handling and Storage

Safe Handling: Ensure adequate ventilation to prevent vapor build up during use. Use good workplace procedures, do not puncture or weld near the container. Do not breathe vapor, ingest, taste, or swallow. Product may oxidize slowly, keep stored containers tightly closed and away from light.

Safe Storage Conditions, Incompatibilities: Store in a dry cool place, 5-105F recommended. Product may oxidize slowly with exposure to air and light, keep container closed when not in use. It's recommended that this product be stored in approved plastic containers. Not recommended to store in aluminum nor (unlined) metal cans as mild corrosion may result with some product degradation.

Section VIII

Exposure Controls/personal protection

Exposure Guidelines: This product does not contain any hazardous components with occupational exposure limits.

Engineering Controls: Showers, eyewash stations, and adequate ventilation.

Individual Protection Measures

Eye/Face Protection: Wear safety glasses with side shields (or goggles). Consider using splash shield in situations where splashing is expected.

Skin/Body Protection: Wear appropriate clothing to the situation. Normal work clothing to prevent skin contact (i.e., boots, gloves, lab coat, coveralls). When splashing is expected, wear impervious protective clothing.

Respiratory Protection: No protective equipment is needed under normal conditions. If restricted ventilation is being experienced, consult your local SOP's for instruction.

General Hygiene: Eyewash fountains and safety showers are recommended in work areas.

Section IX

Physical and Chemical Properties

Form: Liquid	pH: Not Aqueous Solution
Appearance: Yellow-Orange	Specific Gravity: 0.882 (water=1)
Odor: Citrus	Solubility: Dispersible (low water solubility)
Viscosity: Water Thin	Freeze Point: <32°F (0°C)
Flash Point: >60C	Boiling Point: 237°F (176°C)
Explosive Properties: Not Explosive	Oxidizing Properties: Not Oxidizing
Decomposition Temperature: Not Available	Evaporation Rate: 0.02
Auto-ignition Temperature: >458°F (237°C)	VOC Content: 100%
Vapor Density: 3.7 (Air= 1)	Flammability (solid/gas): Not Applicable (liquid)
Partition Coefficient: 1.1	Flammability Limits: Not Available

Section X**Stability and Reactivity**

Reactivity: Can react with strong oxidizing agents, isocyanates, some aluminum compounds, strong mineral acids.

Chemical Stability: This product is stable under normal ambient conditions.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Extreme heat conditions and open flames/sparks.

Incompatible Materials: Strong acids and oxidizing agents.

Hazardous Decomposition: Carbon monoxide, carbon dioxide, irritating fumes.

Section XI**Toxicological Information**

General: Avoid prolonged inhalation or contact with skin and eyes.

Eyes: A known eye irritant, prolonged exposure can cause serious eye irritation.

Skin: Repeated or prolonged skin contact can cause irritation, dermatitis, and drying/cracking of skin.

Inhalation: At high vapor concentrations irritation of the respiratory tract can occur and may cause acute symptoms.

Ingestion: Do not taste or swallow. May be harmful if swallowed causing nausea, diarrhea, and/or vomiting.

Symptoms/Effects (acute and delayed): Headache, dizziness, nausea, and irritation.

Acute Toxicity Information

Skin Corrosion/Irritation: Not Classified Eye Damage/Irritation: Irritant (category 2A)

Respiratory/Skin Sensitization: Not Classified Inhalation: Irritant (category 4)

Ingestion: Irritant (category 4)

Carcinogenic Status: Not listed as a carcinogen by NTP, OSHA, Prop 65, ACGIH. Not classified by IARC.

Mutagenicity: Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (STOT, single exposure): Either not classified or no information available.

Specific Target Organ Toxicity (STOT, repeated exposure): Either not classified or no information available.

Aspiration Hazard: Either not classified or no information available.

Unknown Acute Toxicity: None of the ingredients are of unknown toxicity.

Section XII**Ecological Information**

Ecotoxicity: No information available.

Section XIII**Disposal Considerations**

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261).

Dispose of in accordance to federal, state, and local regulations. See section VIII for recommendations on the use of personal protective equipment.

Section XIV**Transportation Information**

DOT: Not regulated by DOT

Section XV**Regulatory Information**

<u>Inventory</u>	<u>Status</u>
United States (TSCA)	Listed on Inventory
Canada (DSL)	Listed on Inventory
European Union (EINECS)	Listed on Inventory
Australia (AICS)	Listed on Inventory
Japan (MITI)	Listed on Inventory
South Korea (KE\$CL)	Listed on Inventory
Philippines (PICCS)	Listed on Inventory
SARA 313- Not Regulated	
CWA (Clean Water Act)- Not Regulated	
California Proposition 65- Not Listed	

Section XVI**Other Information**

NFPA....Health=2, Flammability= 1, Reactivity= 0, Special= None

HMIS....Health=2, Flammability= 1, Physical Hazard= 0, Personal Protection= B

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