

**ARMAKLEEN™ Paint and Ink
Remover:
Part B**



MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARMAKLEEN™ Paint and Ink Remover: Part B

SYNONYM(S): Not available.

**PRODUCT PART
NUMBERS:** Not available

PRODUCT USE: Water-based paint and ink remover that is one part of a two part coating removal system. This is designed to remove paints or inks from aluminum and steel. FOR COMMERCIAL USE ONLY.

	24-HOUR EMERGENCY PHONE NUMBERS	
These numbers are for emergency use only. If you desire non-emergency product information, please call a phone number listed below.	MEDICAL:	TRANSPORTATION (SPILL):
	1-800-752-7869	1-800-468-1760

MANUFACTURER:
The ArmaKleen Company
469 North Harrison Street
Princeton, NJ 08543
USA
(609) 683-5900

SUPPLIER:
Safety-Kleen Systems, Inc.
5400 Legacy Drive, Cluster II, Building 3
Plano, TX 75024
USA
(800) 669-5740

TECHNICAL INFORMATION: 1-800-332-5424

SAFETY-KLEEN MSDS FORM NUMBER: 82977
THE ARMAKLEEN COMPANY MSDS NUMBER: 820

ISSUE: January 1, 2008

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SUPERSEDES: New

PREPARED BY: ArmaKleen MSDS Coordinator

APPROVED BY: The ArmaKleen Company

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

WT%	NAME	SYNONYM	CAS NO.	OSHA PEL		ACGIH TLV®	
				TWA	STEL	TWA	STEL
4-20	2-amino, 2-methyl propanol	NA	124-68-5	N. Av.	N. Av.	N. Av.	N. Av.
1-2	1-octyl 2 pyrrolidone	NA	2687-94-7	N. Av.	N. Av.	N. Av.	N. Av.
0.1-1.0	Dodecyl Benzene Sulfonic Acid	NA	27176-87-0	N. Av.	N. Av.	N. Av.	N. Av.
40 to 80	Water	Water	7732-18-5	N. Av.	N. Av.	N. Av.	N. Av.

N.Av. = Not Available

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE
 Liquid, clear, light amber color, characteristic odor.

DANGER!

HEALTH HAZARDS
CORROSIVE TO THE EYES AND SKIN.
LIQUID CAN CAUSE SEVERE BURNS TO THE EYES AND SKIN.
 Vapors and mists may cause eye and respiratory tract irritation.
 Harmful or fatal if swallowed.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH HAZARDS

INHALATION (BREATHING): High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs).

EYES: Corrosive to the eyes. Causes severe burns to the eyes.

SKIN: Corrosive to the skin.

INGESTION (SWALLOWING): Harmful or fatal if swallowed.

CARCINOGENICITY: None known

CHRONIC: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

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SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Remove contact lenses, if present, after the first five minutes and continue rinsing the eye. Call a physician or poison control center immediately.

SKIN: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash clothing before reuse. If irritation occurs, get medical attention.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration. If respiration stops have a trained person administer artificial respiration. Call a physician or poison control center immediately.

INGESTION: Never give anything to an unconscious person. Call a physician or poison control center immediately. Have person rinse mouth with water. If able to swallow, have the person sip water if able to swallow. Do not induce vomiting.

NOTE TO PHYSICIAN: Possible mucosal damage may contraindicate the use of gastric lavage.

For additional medical emergency information cal 1-800-468-1760.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: greater than 212°F (100°C)
FLAMMABLE LIMITS IN AIR: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: Product itself does not burn, but may decompose upon heating to produce carbon monoxide, carbon dioxide, sulfur oxides, and nitrogen oxides.

CONDITIONS OF FLAMMABILITY: Product will not burn.

EXTINGUISHING MEDIA: Not applicable.

FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

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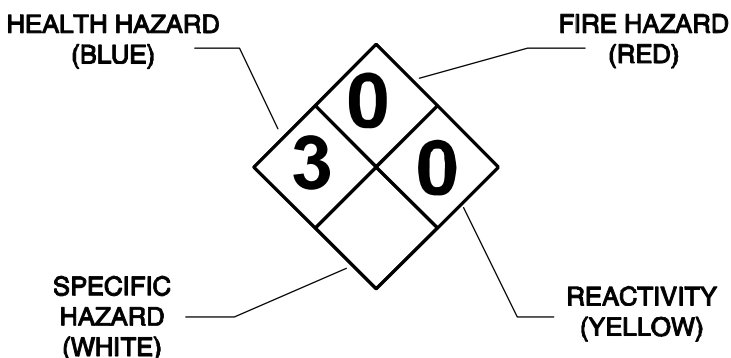
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FIRE AND EXPLOSION HAZARDS:

Heated containers may rupture. "Empty" containers may retain residue and can be hazardous. Not sensitive to mechanical impact or static discharge.

NFPA 704 HAZARD IDENTIFICATION:

This information is intended solely for the use by individuals trained in this system.



SECTION 6: ACCIDENTAL RELEASE MEASURES

May create slippery conditions when spilled. Contain spill and pump into marked containers for disposal. Small spills may be soaked up with compatible adsorbent material and placed in sealable containers for disposal. Make sure area is clean and slip-free before re-opening for traffic.

Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

There may be additional regulatory reporting requirements associated with spills, leaks, or releases of this product.

SECTION 7: HANDLING AND STORAGE

HANDLING: Use clean tools. Use only with adequate local exhaust ventilation. Avoid generating vapors or mists. Do not breathe vapor or mist. Use in a well ventilated area.
Avoid contact with eyes, skin, clothing, and shoes.
Wash thoroughly with soap and water after use.
Immediately remove any contaminated clothing, shoes, and protective equipment. Wash before reuse.

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SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Do not store below 40°F Empty product containers may retain product residue and can be hazardous.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: A NIOSH approved respirator with an organic vapor cartridges and N95 filters may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits or when symptoms have been observed that are indicative of overexposure.

EYE PROTECTION: Use splash goggles and face shield when eye contact may occur.

SKIN PROTECTION: Use chemical resistant apron, gloves, and other impervious clothing to avoid skin contact.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse. Discard affected clothing, shoes, or protective equipment if they cannot be thoroughly cleaned. Discard leather articles, such as shoes, saturated with the product.

OTHER PROTECTIVE EQUIPMENT: Where spills and splashes are likely, facilities storing or using this product should be equipped with an emergency eyewash and shower, both equipped with clean water, in the immediate work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR: Liquid, clear, light amber color, characteristic odor.

ODOR THRESHOLD: Not available.

MOLECULAR WEIGHT: Not applicable.

SPECIFIC GRAVITY: 1.020 (water = 1)

DENSITY: 8.50 LB/US gal (1020 g/L)

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VAPOR DENSITY: less than 1 (air = 1)

VAPOR PRESSURE: 16.9 mm Hg at 68°F (20°C)

VOC VAPOR PRESSURE: <0.1 mm Hg at 68°F (20°C).

BOILING POINT: 214°F (101°C)

FREEZING/MELTING POINT: 21°F (-6°C)

pH: 12.4

EVAPORATION RATE: Less than 1 (butyl acetate = 1)

SOLUBILITY IN WATER: Complete.

FLASH POINT: Greater than 212°F (100°C).

FLAMMABLE LIMITS IN AIR: Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

INCOMPATIBILITY: Avoid acids, oxidizing agents, or reducing agents.

REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures. Combustion may generate carbon oxides and other toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION
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TOXICITY: No data available on formulated product.

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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

**OCTANOL/WATER
PARTITION COEFFICIENT:** Not available.

**VOLATILE ORGANIC
COMPOUNDS:** 160g/l (1.33 lb. /gal).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

**USEPA WASTE
CODE(S):** This product, if discarded, is not expected to be a characteristic or listed hazardous waste. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

SECTION 14: TRANSPORT INFORMATION

DOT: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains amines), 8, UN 3267, III.

TDG: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains amines), 8, UN 3267, III.

**EMERGENCY RESPONSE
GUIDE NUMBER:** Not applicable.

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

**SARA SECTIONS
302 AND 304:** No

SARA SECTIONS This product poses the following health hazards as defined in
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311 AND 312: 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):
Immediate (Acute) Health Hazard

SARA SECTION 313: No

CERCLA: YES Dodecylbenzenesulfonic acid – 1000 lb. RQ

TSCA: All the components of this product are listed on, are automatically included as “naturally occurring substances” on, or are or exempted from the requirement to be listed on, the TSCA Inventory.

CALIFORNIA PROP. 65: No

STATE RIGHT TO KNOW:
2-Amino-2-methyl-1-propanol-MA, PA
Dodecylbenzenesulfonic acid-CA, MA, NJ, PA

CANADA WHMIS E
All the components of this product are listed on, or are automatically included as “substances occurring in nature on”, or are exempted from the requirement to be listed on the Canadian Domestic Substances List (DSL).

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: New

LABEL/OTHER INFORMATION: Not available.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, The ArmaKleen Company assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product as supplied to the user.

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