

ARMAKLEEN™ Paint and Ink Remover: Mixture



MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARMAKLEEN™ Paint & Ink Remover: Mixture

SYNONYM(S): Not available.

PRODUCT PART NUMBERS: Not available

PRODUCT USE: Combined organic and aqueous paint & ink remover in two phases (mixed in cleaning machine) designed to remove paints or enamels from aluminum and steel. FOR COMMERCIAL USE ONLY.

	24-HOUR EMERGENCY PHONE NUMBERS	
	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency product information, please call a phone number listed below.	1-800-468-1760	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: 82978
THE ARMAKLEEN COMPANY MSDS NUMBER: 821

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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®		AIHA WEEL
				TWA	STEL	TWA	STEL	TWA ^a
35-45	Water	NA	7732-18-5	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
30 - 60	Benzyl Alcohol	NA	100-51-6	N. Av.	N. Av.	N. Av.	N. Av.	10 ppm
1-5	Dimethyl Adipate	NA	627-93-0	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
5-10	Dimethyl Glutarate	NA	1119-40-0	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
1-5	Dimethyl Succinate	NA	106-65-0	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
5-10	2-amino, 2-methyl propanol	NA	124-68-5	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
1-5	1-octyl 2 pyrrolidone	NA	2687-94-7	N. Av.	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.	N. Av.

N.Av. = Not Available

a. 8 hr time weighted average established by the American Industrial Hygienists Association Workplace Environmental Exposure Committee

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE

Opaque liquid with aromatic odor.

DANGER!

HEALTH HAZARDS

Contact with Liquid Causes Severe Eye Irritation.

HOT LIQUID CAN CAUSE SEVERE BURNS TO THE EYES AND SKIN which can result in permanent eye damage.

Vapors and mists may cause eye and respiratory tract (nose, throat, lungs) irritation.

Inhalation of high concentrations of vapors may cause central nervous system depression.

Harmful or fatal if swallowed. This product must be used in an enclosure with local exhaust only.

POTENTIAL HEALTH EFFECTS

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ACUTE HEALTH HAZARDS

INHALATION (BREATHING): High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). Exposure to vapors may cause headache, dizziness and nausea. Overexposure may cause central nervous system depression.

EYES: Can cause severe eye injury which can result in permanent eye damage. Hot liquid can cause severe burns to the eyes.

SKIN: Can cause severe irritation to the skin. Contains components that may be harmful if absorbed through the skin. Hot product can cause burns to the skin.

INGESTION (SWALLOWING): Harmful or fatal if swallowed.

CARCINOGENICITY: None known

CHRONIC: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

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 a glass of water. Do not induce vomiting.

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

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

SECTION 5: FIRE FIGHTING MEASURES

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FLASH POINT: Greater than 228°F (109°C)
FLAMMABLE LIMITS IN AIR: Not tested.

AUTOIGNITION TEMPERATURE: 609°F (321°C).

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides, and may generate other toxic vapors

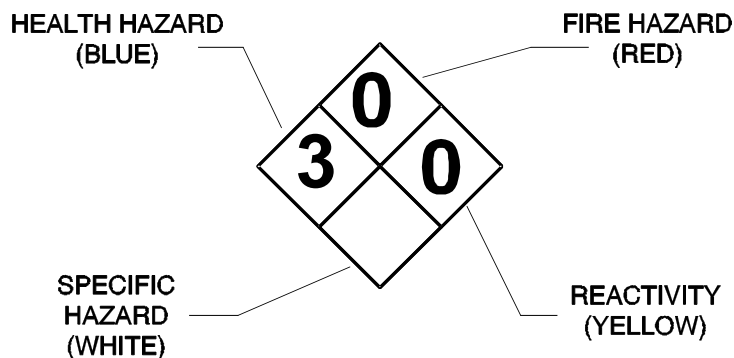
CONDITIONS OF FLAMMABILITY: Product will burn under fire conditions.

EXTINGUISHING MEDIA: Recommended: dry chemical, carbon dioxide, water spray, universal foam.
Not Recommended: water jet (burning material will float).

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.

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

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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 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.

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. This product must be used in an enclosure with local exhaust ventilation only.

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 irritation.

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

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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
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PHYSICAL STATE, APPEARANCE, AND ODOR: Opaque liquid with aromatic odor.

ODOR THRESHOLD: Not available.

MOLECULAR WEIGHT: Not applicable.

SPECIFIC GRAVITY: 1.020 (water = 1)

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

VAPOR DENSITY: Not determined.

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: Not determined.

FREEZING/MELTING POINT: Not determined.

pH: 11.3

EVAPORATION RATE: Not determined

SOLUBILITY IN WATER: Not determined.

FLASH POINT: Greater than 228°F (109°C)

FLAMMABLE LIMITS IN AIR: Not tested

AUTOIGNITION TEMPERATURE: 609°F (321°C).

SECTION 10: STABILITY AND REACTIVITY

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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

TOXICITY: No data available on formulated product.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 586 g/l when used as a 50/50 mixture of ARMAKLEEN Paint and Ink Remover Part A and part B. This is equivalent to 4.90 pounds per gallon, and 58% VOC by weight. See Section 15 for special blending instructions for the state of California.

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

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DOT: Not regulated.
TDG: Not regulated.

EMERGENCY RESPONSE Not applicable.
GUIDE NUMBER:

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS No
302 AND 304:

SARA SECTIONS This product poses the following health hazards as defined in
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 No
313:

CERCLA: Yes Dodecylbenzenesulfonic acid -1000 lb final 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 No
PROP. 65:

STATE RIGHT TO KNOW:

Benzyl alcohol-MA, MN, PA
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 requirements to be listed on the Canadian Domestic Substances List (DSL).

VOC IN CALIFORNIA BLEND

In the state of California, the product must be used in a mixture as follows, when used as a “Paint Remover or Stripper”: 8 parts of Part A, 8

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parts of Part B, and 3 parts water (42% A, 42% B, 16% water). For example, this 8:8:3 ratio can be achieved by mixing 40 gal. of Part A, 40 gal. of part B, and 15 gal. of water. This mixture will have 494 grams per liter VOC (48% by weight). This is in compliance with CARB Regulation for Reducing VOC from Consumer Products effective 1/1/2005. Additional regulations may apply in certain Air Quality Management Districts in California.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: New

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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