

MATERIAL SAFETY DATA SHEET

SECTION I

PRODUCT NAME: SA8[®] Liquid Detergent
MANUFACTURER'S NAME: Amway Corporation
ADDRESS: 7575 East Fulton Road, Ada, Michigan 49355
EMERGENCY PHONE NO.: (616) 676-6307
MSDS INFORMATION NO.: (616) 676-6876

SECTION II - HAZARDOUS INGREDIENTS (per 29CFR1910.1200)

<u>% in Product</u>	<u>CAS Number</u>	<u>Common Name</u> <u>Chemical Name</u>
<10		Ethyl alcohol
<25	64-17-5	Ethanol
	68081-81-2	Sodium alkylbenzene sulfonate Benzenesulfonic acid, mono-C ₁₀₋₁₆ -alkyl derivs., sodium salt
<50	68131-39-5	Primary alcohol alkoxyate Alcohols, C ₁₂₋₁₈ ethoxylated
<1	9014-01-1	Enzymes Subtilisin

NOTES:

SA8[®] Liquid Detergent has been evaluated relative to the requirements of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). It has been determined that the product is properly labeled under that act.

This product contains glycol ethers (components of primary alcohol alkoxyate) which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (H₂O=1): 1.07
SOLUBILITY IN WATER: Complete
pH: 7.7 (as is)
VAPOR PRESSURE (mm Hg): Not determined.
VAPOR DENSITY (Air = 1): Not determined.
APPEARANCE AND ODOR: Clear, blue, viscous liquid with a lemon odor.

SECTION IV - PHYSICAL HAZARD DATA

HAZARDS: Product is combustible.

FIRE HAZARDS:

FLASH POINT: 148°F Tag Closed Cup

FIRE FIGHTING TECHNIQUES: Standard: Wear full body protection. self-contained breathing apparatus to protect against products of combustion (e.g. CO, CO₂, NO₂, COCl₂, HCl, smoke, soot, unidentified organics.) Use water spray, foam, dry chemical, CO₂. Cool containers with water. No explosion hazards identified.

REACTIVITY:

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS/MATERIAL TO AVOID: Avoid excessive heat, flame, contact with acids, strong oxidizers.

SECTION V - HEALTH HAZARD DATA

EXPOSURE LIMIT: An exposure limit for this product has not been established.

Exposure limits for product ingredients are listed below.

PRIMARY ROUTES OF EXPOSURE/ENTRY: Skin contact, eye contact.

11079KS
MDS1644R1

Page 2

PRODUCT NAME: SABR Liquid Detergent
SECTION V (cont'd)

SIGNS/SYMPTOMS/EFFECTS OF EXPOSURE:

SKIN CONTACT: Not a primary skin irritant per FHSa testing; however, prolonged exposure to undiluted products that contain detergent/surfactant ingredients may elicit signs of irritation. (see below)

EYE CONTACT: A primary eye irritant per FHSa testing. Ingredients listed contribute to eye irritancy.

INGESTION: Gastrointestinal irritation with nausea, vomiting, and diarrhea.

INHALATION: See below.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing skin and eye disorders.

NOTES: Inhalation effects for the product as a whole have not been determined.

Inhalation effects of individual ingredients are listed below. A prediction as to whether these effects will be exhibited by the product as a whole is dependent on an evaluation of the product's use and extent and duration of exposure.

Inhalation overexposure to ethyl alcohol vapors or mists may cause respiratory irritation, headache, nausea, dizziness, drowsiness. The OSHA Permissible Exposure Limit and ACGIH Threshold Limit Value for ethyl alcohol are 1000 PPM. Studies in laboratory animals involving prolonged and repeated inhalation exposures to ethyl alcohol have resulted in liver damage. Prolonged and repeated oral dosing of laboratory animals has caused mutagenic and developmental toxic effects.

Repeated skin contact with enzymes may cause sensitization and allergic response in susceptible individuals.

SECTION VI - EMERGENCY AND FIRST AID PROCEDURES

SKIN CONTACT: Rinse with water. See medical attention if irritation (allergic reaction) develops.

EYE CONTACT: Rinse with water for 15 minutes. Seek medical attention if irritation persists.

INGESTION: Give fluids. Seek medical attention.

INHALATION: Remove to fresh air. Seek medical attention if breathing difficulty develops.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF SPILLED OR RELEASED: Eliminate potential ignition sources. Wear appropriate protective equipment (e.g., protective clothing, respiratory protection). Contain/dike spill to prevent environmental release.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

SECTION VIII - HANDLING PRECAUTIONS

PROTECTIVE MEASURES: This product is a consumer product packaged in both consumer as well as larger sizes. To the extent the product is used in a fashion typical to that of a consumer, protective measures, with the exception of those indicated on the label, are not normally necessary. Where use conditions and extent and duration of exposure dictate, however, appropriate protective measures to prevent eye and prolonged skin contact (i.e., glasses, goggles, gloves, protective clothing) and minimize inhalation exposure (e.g., engineering controls-preferred, NIOSH approved respiratory protection as appropriate for hazard presented) are recommended.

WORK/HYGIENE PRACTICES: For good personal hygiene, insure prompt removal from skin and clothing.

CONTINUED ON NEXT PAGE

11079KS

MDS1644R1

Page 3

PRODUCT NAME: SA8^R Liquid Detergent

DISCLAIMER

The information contained herein is based on data available to us and is believed to be accurate. However, Amway Corporation makes no warranty, express or implied, regarding the accuracy of the data or the results to follow from the use of the product. Health and safety precautions in this data sheet may not be adequate for all individuals and product uses. It is the user's obligation to ensure the information provided is the most current, to evaluate the information contained in this sheet in connection with the uses to which the product is to be put in the workplace and to use the product safely in accordance with applicable laws and regulations. If there are any questions concerning the information contained in this sheet or its applicability to a particular use, the user is instructed to telephone 1-616-676-6876. Amway Corporation assumes no responsibility for injury from the use of the product described in this sheet.

ISSUED: 11-06-89

SUPERSEDES: 12-28-88

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