

PRODUCT NAME: INDUSTROCLEAN * Heavy-Duty Cleaner

DISTRIBUTED BY:

MSDS/PRODUCT INFORMATION:

Amway Corporation
7575 Fulton Street East
Ada, Michigan 49355

Commercial Product Information (33A-2L)
Amway Corporation
7575 Fulton Street East
Ada, Michigan 49355

EMERGENCY #: 1-616-676-6307

INFORMATION #: 1-616-787-6279

HAZARDOUS INGREDIENTS
(per OSHA Hazard Communication Standard)

% in Product	CAS Number	COMMON NAME Chemical Name
<10	111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER 2-Butoxyethanol
<10	497-19-8	SODIUM CARBONATE Carbonic acid disodium salt
<10	6834-92-0	SODIUM METASILICATE Silicic acid disodium salt
<10	68891-38-3	SURFACTANT Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts

This product contains ethylene glycol monobutyl ether (a glycol ether) which is 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.

PHYSICAL AND CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (H₂O=1): 1.02-1.05
 SOLUBILITY IN WATER: Complete
 pH: 12.4-12.8 (as is)
 VAPOR PRESSURE (mm Hg): Not determined
 VAPOR DENSITY (Air = 1): Not determined
 APPEARANCE AND ODOR: slightly hazy to clear, colorless liquid with a slight solvent odor.

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PHYSICAL HAZARD DATA

HAZARDS: This product does not present any physical hazards as defined by the OSHA Hazard Communication standard.

FIRE HAZARDS:

FLASH POINT: This product is not flammable or combustible.

FIRE FIGHTING TECHNIQUES: Standard: Wear full body protection. Wear 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 oxidizing agents.

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: This product can affect the body if it contacts the skin or eyes, is absorbed through the skin, is inhaled or ingested.

SIGNS/SYMPTOMS/EFFECTS OF EXPOSURE:

SKIN CONTACT: This product is not a primary skin irritant. Prolonged or repeated skin contact with this product may cause dry skin. (See below)

EYE CONTACT: This product is a primary eye irritant.

INGESTION: Ingestion of this product may cause irritation of the mouth and throat, upset stomach, nausea, vomiting, and diarrhea.

INHALATION: Inhalation may cause irritation of the nose, throat, and lungs. (See below)

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

NOTES: Inhalation effects of this product other than respiratory irritation, and skin absorption effects of this product have not been determined. Inhalation and skin absorption effects of individual ingredients are noted 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 ethylene glycol monobutyl ether vapors (LC50 in rats is 700 ppm in 7 hours) or mists may cause respiratory irritation headache, nausea, dizziness, drowsiness. Ethylene glycol monobutyl ether has caused red blood cell damage in laboratory animals. However, humans appear to be resistant to this effect. Inhalation of ethylene glycol monobutyl ether vapors at levels above the OSHA PEL and the ACGIH TLV have produced anemia, fetal effects, liver and kidney damage in experimental animals (rats). Ethylene glycol monobutyl ether is skin absorbed (dermal LD50 is 400 mg/kg). Dermal overexposure may result in the effects previously mentioned. The OSHA Permissible Exposure Limit for ethylene glycol monobutyl ether is 50 ppm. The ACGIH Threshold Limit Value for ethylene glycol monobutyl ether is 25 ppm. Both exposure limits have a notation indicating skin absorption.

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EMERGENCY AND FIRST AID PROCEDURES

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SKIN CONTACT: Rinse thoroughly with water.

EYE CONTACT: Remove contact lenses. Rinse with a gentle stream of lukewarm water for 15 minutes, holding eyelids open. IF IRRITATION DEVELOPS, GET MEDICAL ADVICE by calling the emergency phone number on page one of this MSDS, or a local/regional Poison Control Center, or a hospital emergency room.

INGESTION: If victim is a child, give 4-8 ounces of water. For adults, give 8-12 ounces of water. Do not induce vomiting when this product is swallowed. If vomiting occurs spontaneously, keep victim in an upright position. GET MEDICAL ADVICE by calling the emergency phone number on page one of this MSDS, or a local/regional Poison Control Center, or a hospital emergency room

INHALATION: Remove to fresh air. If irritation or breathing difficulty develops, GET MEDICAL ADVICE by calling the emergency phone number on page one of this MSDS, or a local/regional Poison Control Center, or a hospital emergency room.

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SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF SPILLED OR RELEASED: Wear appropriate personal protection equipment (respirator, gloves, goggles and/or face shield, boots, protective clothing). Contain/dike spill to prevent environmental release.

WASTE DISPOSAL: This product is a U.S. EPA RCRA hazardous waste. Dispose of in accordance with Federal, State and Local regulations.

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/or extent and duration of exposure differ from typical consumer use, however, appropriate protective measures to prevent eye and prolonged skin contact (glasses, goggles, rubber gloves, protective clothing) and minimize inhalation exposure (engineering controls, NIOSH-approved respiratory protection appropriate for the hazard presented) are recommended.

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

DISCLAIMER

The information contained herein is believed to be accurate and represents the best information currently available to us, much of which comes from the manufacturer or supplier of components of this product. Therefore, Amway Corporation makes no warranty, express or implied, regarding the accuracy of the data. 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 make certain that this MSDS is the most current MSDS for the product; 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 1-616-787-6279. Amway Corporation assumes no responsibility for injury from the use of the product described in this sheet in a way different from that provided in the label directions.

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