

Material Safety Data Sheet

EMERGENCY PHONE NUMBER: (816) 847-6905

SECTION I - IDENTITY

COMMON NAME: E-Z Clean, Item No. CS2632EX

CHEMICAL FAMILY: Cleaner

SYNONYMS: An aqueous ammoniated alcoholic solution of naturally occurring anionic surfactant, with anti-streaking/anti-static agents.

SECTION II - HAZARDOUS INGREDIENTS

PRINCIPLE HAZARDOUS COMPONENTS	%	THRESHOLD LIMIT VALUE
Isopropanol (CAS #67-63-0)		OSHA: TWA/TLV: 400 ppm OSHA: STEL: 500 ppm ACGIH: TWA/TLV: 400 ppm ACGIH: STEL: 500 ppm
Glycol Ether EB (CAS #111-76-2)		
Ammonia (CAS #7664-41-7)		
Lemon Scent (Trade Secret)		

SARA requires submission of annual report of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: 212 ° F.	SPECIFIC GRAVITY (H2O=1): 1.03
VAPOR PRESSURE (mm Hg): Not Applicable	VAPOR DENSITY (AIR=1): Not Determined
EVAPORATION RATE (Water = 1): > 1	SOLUBILITY IN WATER: Complete
REACTIVITY IN WATER: Not applicable	
APPEARANCE AND ODOR: A clear blue water based solution with slight lemon alcoholic odor.	

SECTION IV - FIRE FIGHTING MEASURES

FLASH POINT (TCC): N.A. LEL: Not Applicable UEL: Not Applicable

EXTINGUISHING MEDIA: Water fog, dry chemical or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Vapors are heavier than air and may travel along the ground or may be moved along the ground by ventilation and ignition by pilot lights or other sources flame. Wear self-contained breathing apparatus with a full-face piece when fighting fires. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may travel along the ground or may be moved by ventilation. Containers exposed to intense heat from fires should be cooled

with water to prevent vapor pressure build-up, which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of the container structure. Never torch or cutting torch near drum because product may ignite. Extinguish all nearby sources of ignition.

SECTION V - PHYSICAL HAZARDS

STABILITY: UNSTABLE CONDITIONS TO AVOID: None known.
X STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): Strong-oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide

HAZARDOUS MAY OCCUR CONDITONS TO AVOID: None known
POLYMERIZATION X WILL NOT OCCUR

HMIS HAZARD RATINGS

HEALTH HAZARD = 1	LEAST = 0
FLAMMABILITY HAZARD=1	SLIGHT = 1
REACTIVITY HAZARD=0	MODERATE = 2
MAXIMUM PERSONAL PROTECTION = 1	HIGH = 3
	SEVERE = 4

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: EYE: X, INHALATION: X, SKIN: X, INGESTION: X

SIGNS OR SYMPTOMS OF EXPOSURE:

EFFECTS OF ACUTE AND CHRONIC OVEREXPOSURE:

Eyes: moderate irritation, tearing, redness, and blurred vision.

Inhalation: Vapors may cause headache, dizziness, fatigue, weakness, irritation to nose, throat, and respiratory tract.

Ingestion: May result in gastrointestinal irritation, nausea, diarrhea, vomiting. Aspiration of vomit into lungs must be avoided.

Skin: Moderate irritation to skin.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Irritations as noted above. Early to moderate central nervous system depression, may be evidenced by giddiness, headache, dizziness, weakness and nausea. In extreme cases unconsciousness. Death if inhaled excessively.

SECTION VII – EMERGENCY AND FIRST AID PROCEDURES

Ingestion: If vomiting occurs spontaneously, keep head below hips to avoid aspiration of vomit into the lungs. Seek

medical attention immediately.

Inhalation: Move individual away from exposure and into fresh air. If breathing is difficult, give artificial respiration. If conditions persist, seek medical attention

Eyes: Flush with plenty of water for a minimum of 15 minutes while holding eyelids open. Seek medical attention.

Skin: Remove contaminated clothing/shoes. Flush skin with water. Follow by washing area thoroughly with mild

soap and water. Wash clothing before reuse. If irritation occurs, seek medical attention.

SECTION VIII- PRECAUTIONS FOR SAFE HANDLING AND STORING

Steps to be taken if material is Released or Spilled: anyone not wearing protective clothing should be excluded from the area. Extinguish all nearby sources of ignition. Dike and absorb spill with inert material (sand, sawdust, absorbent sweeping compound, paper vermiculite floor, etc.) Absorb and pump liquid into a salvage tank. Dispose as hazardous waste. Ventilate area, cover spill with alcohol foam. Keep spills out of bodies of water and municipal sewers.

Waste Disposal Methods: Do not landfill. Small (household) quantities may be disposed of via sewer. Always dispose of materials in accordance with Local, State and Federal Regulations.

Precautions to be Taken in Handling and Storing: Store in original container or equivalent. Keep container tightly closed. Store at temperatures below 120°F. Keep liquid and vapor away from heat, sparks, flame or incompatible material. Surfaces that are sufficiently hot may even ignite liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes, etc. and turn off all other sources of ignition prior to use. Static electricity may accumulate or create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

Other Precautions: Avoid contact with eyes. Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH approved respirator to prevent over-exposure. As with all chemicals, KEEP OUT OF REACH OF CHILDREN.

SECTION IX – CONTROL MEASURES

VENTILLATION:

LOCAL EXHAUST: None required under normal use. MECHANICAL (General): Acceptable
SPECIAL: None OTHER: None

PROTECTIVE GLOVES: Recommended. Not required under normal use. Neoprene coated Cotton gloves or Nitrile Rubber Chemical Gloves.

EYE PROTECTION: Recommended. Not required under normal use.

SECTION IX - DATE AND SIGNATURE

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials in any other process. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as the date indicated. However, no representation, warranty or guarantee of any kind, expressed or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as the suitability and completeness of such information for his own particular used.

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Supersedes: 23 June 1999

The submission of this MSDS may be required by law, but this is no assertion that the substance is hazardous when used in accordance with proper safety practices and normal procedures. Data supplied is for use only in connection with occupation safety and health.