

Safety Data Sheet

SDS ID: Stock Code EZK
Revision date: July 17, 2017

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: "EZ Kleen" Industrial & Professional Chemical Cleanser
Synonyms: None
Chemical family: N/A
Producer: Missouri Turf Paint
1201 E. 63rd St.
Kansas City, MO 64110
www.missouriturfpaint.com

Telephone: 800-426-0774 Available during normal business hours

Emergency: CHEMTEL 800-255-3924 Available 24 hours

Section 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Combustible liquid. Harmful if swallowed, in contact with skin or inhaled. Causes skin irritation. Causes serious eye irritation.

GHS Hazard and precautionary statements

Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H312 Harmful in contact with skin.
Acute Tox. 4 H332 Harmful if inhaled
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation
Flam. Liq. 4 H227 Combustible liquid



Precautionary Statements:

Keep away from flames and hot surfaces, no smoking. Avoid breathing dust, fumes, gas, mist vapors or spray. Use only outdoors or in well-ventilated area. Wear protective gloves and eye and face protection. Wash thoroughly after handling.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: Call a poison center/doctor if feel unwell.

Skin contact: Wash with plenty of water. Remove contaminated clothing.

Eye contact: Exposure to vapors or liquid may cause eye irritation.

Carcinogenic: The IARC and ACGIH designate Ethylene glycol butyl ether (2-Butoxyethanol) as category 3 – confirmed animal carcinogen with unknown relevance to humans. The ACGIH designates Ethylene glycol butyl ether (2-Butoxyethanol) as category A3– confirmed animal carcinogen with unknown relevance to humans.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information:

Name	CAS No.	Weight %
Ethylene glycol butyl ether Synonym: 2-Butoxyethanol	111-76-2	12-17

**Note: The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.*

Section 4. FIRST AID MEASURES

- Inhalation:** Move exposed persons to fresh air. If the person is not breathing or breathing is irregular, provide artificial respiration or oxygen by trained personnel. Seek medical attention.
- Skin contact:** Quickly remove contaminated clothing and shoes. Wash affected skin with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
- Ingestion:** Call a physician or poison control center immediately. Do not induce vomiting.
- Eye contact:** Check for and remove any contact lenses. Immediately consult physician after flushing eyes with tepid water for 15 minutes.

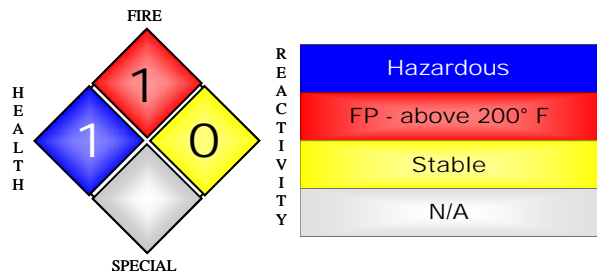
Section 5. FIREFIGHTING MEASURES

Suitable extinguishing media: Small fires — Class B fire-extinguishing media including water spray, foam, CO₂ or dry powder. Do not use a water stream, as this will spread the fire.

Specific hazards: Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperature at or above flashpoint.

Special protective equipment for firefighters: Full protective equipment including self-contained breathing apparatus should be used. Do not allow run-off from fire-fighting to enter drains or water courses.

	NFPA rating:	HMIS rating:
Health:	1	1
Flammability:	1	1
Instability/reactivity:	0	0
Other:	N/A	H (PPE)



Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Immediately contact emergency personnel. Evacuate any potentially affected area and isolate personnel from entry. Ventilate closed spaces before entering them. Vapor can collect in lower areas.

Large Spill:	Personnel must have appropriate training, per Occupational Safety and Health Administration (OSHA) 29 CFR 1910.120. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8).
Methods for Containment and Clean up	Absorb with liquid binding material (i.e. sand, diatomite, acid binders, sawdust). Ensure adequate ventilation. Dispose of the collected material according to regulations.

Section 7. HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Keep containers closed when not in use. Always open containers slowly to allow any excess pressure to vent. Avoid breathing vapors. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Launder soiled clothing thoroughly before re-use.
Storage:	Isolate from strong oxidants. Keep container tightly closed and upright when not in use to prevent leakage. Store in a cool and dry locations away from direct sunlight.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	ACGIH® TLV® Exposure Limits:	Federal OSHA PELs	OSHA PELs 1989 ^c
Ethylene glycol butyl ether Synonym: 2-Butoxyethanol	111-76-2	20 ppm ^A	50 ppm ^A	25 ppm ^A

All exposure limits listed are 8-hour time weighted average (TWA) — except where noted otherwise.

^A Time Weighted Average (TWA) is an average exposure over the course of an 8-hour work shift.

Engineering measures: Local exhaust ventilation is preferable. General ventilation is acceptable if exposure to materials in this section is maintained below applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: When engineering controls are not sufficient to reduce exposure to levels below applicable exposure limits, seek professional advice prior to respirator selection and use. For concentrations less than 10 times the exposure limits, wear a properly fitted NIOSH/ MSHA-approved respirator with organic vapor cartridges.

Skin and body protection: Wear impervious clothing and gloves to prevent contact. Use the manufacturer's degradation and permeation data for protective material selection.

Eye protection: Wear safety spectacles with unperforated sideshields, or goggles.
Hygiene measures: Avoid repeated or prolonged skin exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove contaminated clothing and launder before reuse.

Other precautions: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple Liquid
Physical state (solid/liquid/gas):	Liquid
Substance type (pure/mixture):	Mixture
Color:	Purple
Odor:	Mild odor
Molecular weight:	Not Available
pH:	Not Applicable
Boiling point/range (5-95%):	Not Available
Melting point/range:	Not Available
Decomposition temperature:	Not Available
Specific gravity:	Not Available
Vapor density:	(AIR = 1) <1
Vapor pressure:	Not Available
Evaporation rate (Butyl acetate= 1):	Not Available
Flash point, method used:	Above 200 °F; UN test N.1
Water solubility:	Appreciable
VOC Content:	Not Available
Auto-ignition temperature:	Not Available
Flammable limits in air — lower (%):	Not available
Flammable limits in air — upper (%):	Not available

Section 10. STABILITY AND REACTIVITY

Reactivity:	No data available
Stability:	Stable under recommended storage conditions.
Conditions to avoid:	Isolate from oxidizers, heat and open flame
Incompatible Materials:	Strong oxidants, causing fire and explosion hazard.
Hazardous decomposition products:	By fire, carbon dioxide, carbon monoxide
Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Excessive exposure leads to depression of the central nervous system. Causes eye irritation, moderate skin irritation.

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:
Ethylene glycol butyl ether Synonym: 2-Butoxyethanol	111-76-2	LC ₅₀ (Rat): ~700 ppm, 7 hours; LC ₅₀ (Guinea pig): ~932 ppm, 4 hours;	LD ₅₀ (Rat) >2,000 mg/kg LD ₅₀ (Guinea pig) >2,000 mg/kg	Acute LD ₅₀ (Rat):1,746 mg/kg Acute LD ₅₀ (Guinea pig):1,414 mg/kg

Chronic toxicity: The IARC and ACGIH designates Ethylene glycol butyl ether (2-Butoxyethanol) as category 3 – confirmed animal carcinogen with unknown relevance to humans. Repeated or prolonged exposure in excess of exposure limits in Section 8 may cause damage to the lungs, liver, blood, and kidney.

Sensitization: Not known to cause sensitization in humans.

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects: LC₅₀ Harlequinfish, Red rasbora 96-hour 4,200 mg/l.
LC₅₀ Fathead minnow 96-hour 9,640 to 10,000 mg/l.
EC₅₀ Water flea 48-hour 1,550 mg/l.

Persistence The estimated half-life (2-Butoxyethanol) in groundwater ranges from 14 days to 8 weeks; and in soil 7 days to 4 weeks.

Degradability: Expected to be readily biodegradable.

Section 13. DISPOSAL CONSIDERATIONS

Cleanup considerations: This product is not a hazardous waste as defined under RCRA 40 CFR 261. Do not incinerate a closed container. Disposal of this material must be done in accordance with federal, state and/or local regulations. The material destined for disposal must be characterized properly and may differ from the product described in this SDS if mixed with other wastes.

Section 14. TRANSPORT INFORMATION

Please refer to DOT regulation 49 CFR 172.101:

Transport information: This material is not regulated under DOT when transported via U.S. commerce routes: and IATA, and IMO via international routes

Hazardous Materials Description: (DOT and IATA):

UN/identification no.: Not Applicable
Proper shipping name: Not Applicable
Hazard class: Not Applicable
Packing group: Not Applicable
DOT reportable quantity (lbs.): Not Applicable

Section 15. REGULATORY INFORMATION

U.S. federal regulatory information:

U.S. RCRA (40 CFR 261)

This product is not a hazardous waste as defined under RCRA 40 CFR 261.

State and community right-to-know regulations:

The following component(s) of this material are identified on the regulatory lists below:

U.S. TSCA Chemical inventory Section 8(b)

OSHA — This product is determined to be hazardous as defined in the OSHA Hazard Communications Standard (29 CFR 1910.1200)

CERCLA Sections 102a/103 (40 FR 302.4):

No ingredients are listed.

Some Components of this product are listed in the following sections of **SARA**:

SARA Title III Section 302 — N/A

SARA Title III Section 304 — N/A

SARA Title III Section 313 — Ethylene glycol butyl ether (2-Butoxyethanol) 1% reporting threshold

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21)

Acute health hazard: Yes
Chronic health hazard: Yes
Fire hazard: No
Reactive Hazard: No
Pressure Hazard: No

California Proposition 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

WHMIS (Canada)

Class D-2B: Material causing other toxic effects

***NOTE:** User must consult with applicable state and local agencies for special specifics, determinations or compliance obligations regarding this product.*

Section 16. OTHER INFORMATION

Standards and Certification Listings:

The information and recommendations contained herein are based upon tests, data, and information resources believed to be reliable. However, Missouri Turf Paint and its related operations or divisions do not guarantee the accuracy or completeness, nor shall any of this information constitute a warranty, whether expressed or implied, as to the safety of goods, the merchantability of the goods or the fitness of the goods for a particular purpose. Adjustment to conform to actual conditions of usage may be required. Whitlam assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of this data. No warranty against infringement of any patent, copyright or trademark is made or implied.