

**MATERIAL SAFETY DATA SHEET**

**FELLOWES SCREEN CLEANER
(NON-ALCOHOLIC)**
**SKUs: 99700, 99701, 99702, 99703,
99705, 99730, 99731, 99732, 99733, 980**

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT IDENTIFICATION**

Brand NameFellowes Screen Cleaner
(non-alcoholic)
Chemical NameMixture
Common NameScreen Cleaner
FormulaMixture
Molecular WeightN/A
Product Use.....Screen Cleaner
Product Identification NumberN/A

MANUFACTURER

Fellowes (Manufacturing) Inc.
1789 Norwood Avenue
Itasca, IL 60143-1095

EMERGENCY TELEPHONE NUMBER

(630) 893-1600 or (800) 893-7661

2. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS NUMBER | WEIGHT % |
|-----------------|------------|----------|
| 2-Butoxyethanol | 111-76-2 | 1 - 5 |
| Water | 7732-18-5 | Balance |

See Section 15 of this MSDS for OSHA Regulatory Status.

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

Clear, colorless liquid with a sweet odor.

CAUTION! May cause eye or skin irritation. May be harmful if inhaled or absorbed through skin.

May flash if vapors are ignited, but product will not burn.

POTENTIAL HEALTH EFFECTS**PRIMARY ROUTE(S) OF ENTRY**

Inhalation (breathing); skin absorption; eye contact.

SYMPTOMS OF EXPOSURE

- Inhalation:** Breathing high concentrations of 2-butoxyethanol may cause respiratory irritation and may cause central nervous system effects (headache, nausea, vomiting, or unconsciousness) and may cause damage to the liver, or kidney, or to the blood or lymph systems.
- Eye Contact:** Direct contact with 2-butoxyethanol or exposure to its vapors may cause irritation; redness, burning sensation.
- Skin Contact:** May cause irritation. 2-Butoxyethanol is readily absorbed through the skin and may cause liver, kidney, blood or lymph system damage, depending on the duration and level of exposure.
- Ingestion:** Headache, nausea, vomiting, dizziness, gastrointestinal upset.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Wear appropriate protective equipment (See Section 8).

HANDLING

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors or mist. Frequent or prolonged contact with the skin could cause defatting, leading to dryness and cracking. The use of an emollient cream is recommended after prolonged skin contact.

Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

STORAGE

Store in a cool, dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use local exhaust or general dilution ventilation to maintain exposures below established permissible exposure levels.

PERSONAL PROTECTION

Respirator: For prolonged exposures, consult an industrial hygienist or other technically qualified person to determine whether respiratory protection is required for the specific work conditions.

Eye Protection: Wear safety glasses if there is a potential for splashing this product in the eyes.

Gloves: Wear rubber gloves. The use of an emollient cream is recommended after skin contact.

Clothing: Normal work clothing.

Other: Eye wash.

EXPOSURE CONTROLS

| COMPONENT | OSHA PEL | | ACGIH TLV | |
|-----------------|---------------|------|---------------|------|
| | TWA | STEL | TWA | STEL |
| 2-Butoxyethanol | 50 ppm [skin] | N/E | 20 ppm [skin] | N/E |

9. PHYSICAL AND CHEMICAL PROPERTIES

State.....Slightly opaque liquid
Color.....Clear
Odor.....Sweet

PHNA
Boiling Point.....NA
Specific Gravity @ 20 °C.....0.99-1.00

10. STABILITY AND REACTIVITY

REACTIVITY

Stable.

INCOMPATIBILITIES

Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition will produce CO, CO₂, and oxides of nitrogen.

CONDITIONS TO AVOID

None known.

11. TOXICOLOGICAL INFORMATION

For 2-Butoxyethanol

RTECS KJ8575000

- Inhalation LC₅₀ (rat)450 ppm/4 hr.
- Inhalation LC₅₀ (mouse)700 ppm/7 hr.
- Inhalation TC_{Lo} (human)195 ppm/8 hr. (gastrointestinal effects)
100 ppm (Eye, smell, lungs, thorax, respiration effects)
- Oral LD₅₀ (rat)470 mg/kg
- Oral LD₅₀ (mouse)1,230 mg/kg
- Oral LD₅₀ (rabbit)300 mg/kg
- Oral TD_{Lo} (woman)600 mg/kg
- Dermal LD₅₀ (rabbit)220 mg/kg
- Dermal LD₅₀ (guinea pig)230 mg/kg
- Skin irritation (rabbit)Mild
- Eye Irritation (rabbit)Severe in one study; moderate in a second.

Hazardous Substance Data Bank

The lethal oral dose of various ethylene glycols in humans is approximately 1.4 ml/kg.

12. ECOLOGICAL INFORMATION

For 2-Butoxyethanol

- LC50 (96hr) bluegill:1,490 mg/L. Cond: Static, 23° C.
- LC50 (24hr) goldfish:1,650-1,700 mg/L.
- LC50 (24hr) water flea:1,720 mg/L.

13. DISPOSAL CONSIDERATIONS

RCRA Waste Code:.....Not regulated.

Observe all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

- DOT Hazard Class.....Not regulated.
- TDG Hazard Class.....Not regulated.

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

Hazardous Non-Hazardous

SARA HAZARD CATEGORIES (40 CFR 370)

Acute Chronic Fire Pressure Reactive None

SARA TOXIC CHEMICALS (40 CFR 372)

| Chemical Name | CAS Number | % |
|--|------------|-----|
| Glycol ethers, including 2-Butoxyethanol | 111-76-2 | 1-5 |

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR Section (33))

This product has been classified according to the hazard criteria of the Controlled Products Regulations, and the MSDS contains all required information.

Controlled Product; Classification: D2B Not a Controlled Product

INVENTORY STATUS

This chemicals in this product are either listed on, or exempt from, the US TSCA Chemical Substance Inventory and the Canadian Domestic Substances List.

TOXIC SUBSTANCES CONTROL ACT

2-Butoxyethanol is subject to the Preliminary Assessment Information Rule (40 CFR 712.30 (w)) and Health and Safety Data Reporting (40 CFR 716.120(a)).

STATE REGULATIONS

- Rhode Island Hazardous Substance List.....2-Butoxyethanol
- Florida Hazardous Substance List.....2-Butoxyethanol
- Massachusetts Right to Know List.....2-Butoxyethanol
- Minnesota Hazardous Substance List.....2-Butoxyethanol
- New Jersey Right to Know List.....2-Butoxyethanol
- Pennsylvania Right to Know List.....2-Butoxyethanol

16. OTHER INFORMATION

ABBREVIATIONS

- C - Ceiling limit
- LC_{Lo} - The lowest concentration of a substance in air that will kill a test animal within a certain exposure period.
- LC₅₀ - The concentration of a substance in air that will kill 50% of test animals within a certain exposure period.
- LD₅₀ - The dose that causes death in 50% of test animals.
- N/A - Not applicable
- N/D - Not determined
- N/E - Not established
- N/K - Not known
- NAERG - North American Emergency Response Guidebook
- RQ - Reportable Quantity
- TPQ - Threshold Planning Quantity

PREPARATION INFORMATION

Date Prepared:.....January 5, 2000