



SAFETY DATA SHEET

1. Identification

Product Identifier Earth Worx Glass Cleaner

Other means of identification

Product code 16G-BPNP, 16G-CLLE, 116G-CLL, 16G-CJRL

Recommended use Glass cleaner.

Recommended restrictions Professional use only.

Manufacturer information

Company name Chemical Universe, Inc.

Address 1841 Vernon St.
North Kansas City, MO 64116

Telephone (816) 471-3602

FAX (816) 474-3302

Emergency phone number PERS (800) 633-8253
24-hour Emergency (800) 633-8253

2. Hazard(s) Identification

Physical hazards Not classified.

Health hazards Eye irritant Category 2B

Environmental hazards Not classified.

OSHA defined hazards Not listed.

Label elements None

Signal word None.

Hazard statement Warning.

Precautionary statement Causes eye irritation.

Prevention Wash hands and exposed skin thoroughly after handling.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Disposal

Hazard(s) not otherwise classified (HNOC) None

Supplemental information None

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
Diethylene Glycol Monoethyl Ether	111-90-0	20-30
Other components below reportable levels		70-80

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.



SAFETY DATA SHEET

Most important symptoms/effects, acute and delayed	Dermatitis. Rash. Causes skin irritation and serious eye irritation.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Wear eye/face protection.
Methods and materials for containment and cleaning up	Caution – spillages may be slippery. Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Do not store in extreme conditions.

8. Exposure controls/personal protection

Occupational exposure limits

U.S. AIHA Workplace Environmental Exposure Level (WEEL) Guide (2009)

Components	Type	Value
Diethylene Glycol Monoethyl Ether	TWA	25 ppm (140 mg/m ³)

Biological limit values

None established



SAFETY DATA SHEET

Appropriate engineering controls	Emergency eye wash stations and showers should be readily accessible. Provide natural or mechanical ventilation.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear long sleeve shirts with pants.
Respiratory protection	Respiratory protection not required.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance	
Physical State	Liquid.
Color	Blue.
Odor	Citrus.
Odor threshold	Not available.
pH	9-10
Melting/freezing point	7.7F (-13.5°C)
Initial boiling point and boiling range	>212°F (100°C)
Flash point	212°F (100°C)
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.0
Solubility in water	Soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames.
Incompatible materials	Reactive metals (e.g. sodium, calcium, zinc), strong acids, oxidizing agents
Hazardous decomposition products	Carbon monoxide, carbon dioxide



SAFETY DATA SHEET

11. Toxicological information

Information on likely routes of exposure

Ingestion May result in headache and nausea.
Inhalation Mist is irritant to respiratory tract.
Skin contact Repeated and/or prolonged skin contact causes skin irritation.
Eye contact Liquid or mist causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Dermatitis. Rash.

Acute toxicity Not classified.

Product Earth Worx Glass Cleaner (CAS mixture)		
Exposure Classification	Route and Species	LD50
Acute	Oral, rat	18,600 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation Not classified.
Serious eye damage/irritation Causes serious eye irritation
Respiratory sensitization Not classified.
Skin sensitization Not classified.
Germ cell mutagenicity Not classified.
Carcinogenicity Not considered a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
 Not Listed.
Reproductive toxicity Not classified.
Specific target organ toxicity – single exposure Not classified.
Specific target organ toxicity – repeated exposure Not classified.
Aspiration hazard Not considered an aspiration hazard.

12. Ecological information

Ecotoxicity		
Product Earth Worx Glass Cleaner (CAS mixture)		
Aquatic Receptor	Species	Test Thresholds
Crustacea	Daphnia	EC ₅₀ (48hr): 930 mg/L estimated
*Estimates for product may be based on additional component data not shown		

Persistence and degradability No data available.
Bioaccumulative potential No data available.
Mobility in soil Not available.
Other adverse effects The alkalinity of this material may have a local effect on ecosystems sensitive to changes in pH.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.



SAFETY DATA SHEET

Local disposal regulations Dispose in accordance with all applicable regulations

Waste from residues/unused product Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance

Not listed.

SARA 304 Emergency release notification

Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 313 (TRI reporting)

Not listed.

California Proposition 65 **California Safe Drinking Water and Toxic Enforcement Act of 1986**
This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (3/2021).

16. Other information, including date of preparation or last revision

Issue date 5/8/2015
Revision date 9/24/2021
Version # 2
HMIS® ratings Health: 1
Flammability: 0
Physical hazard: 0

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

NFPA ratings Health: 1
Flammability: 0
Instability: 0

SAFETY DATA SHEET

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

Revision information

General format update; Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification amendments Sections 5,6,8,9 and 12. PPE recommendation updated; California Proposition 65 notice; HMIS and NFPA pictograms added.